

260124 - Day 1 - AIML for Beginners

Summary

Overview

- Shahid K21 introduced himself as the AI advisor for K21 Academy, emphasizing the breadth of topics including AI, Cloud, and DevOps for over 40 participants with varied backgrounds.
- Key participants included Joshna (transitioning to AI/ML), Ravi Chandra (10-15 years in Java/C#), and Madhuri (health claim analyst looking to integrate AI in healthcare).
- The course includes an all-in-one AI/ML Job Oriented Program with 8 certifications covering AWS, Azure, Python, and more, ensuring a comprehensive skill set for enrollees.
- Progress Diary is established as the primary tool for tracking student progress and communication, accessible via k21academy.com/progress-diary.
- Weekend classes start on January 25th focusing on foundational AI concepts, with specialized classes for architects and designers on January 31st.
- Weekday sessions for GenAI Mastery begin January 27th, offering flexibility with classes available Monday through Wednesday.
- The AI Project Management course is set to start on February 14th for participants transitioning from project management to AI roles.
- All course content is self-paced, with recorded live sessions available alongside a structured environment setup using Jupyter Notebook.
- A reverse engineering approach for job preparation was recommended, focusing on required skills identified from job descriptions, with an emphasis on immediate resume preparation.
- Python programming knowledge isn't mandatory for all roles, and participants are encouraged to pursue certifications like AWS AI Practitioner and Azure AI as part of

Notes

Session Introduction & Participant Overview (03:23 - 16:40)

- Shahid K21 introduced himself as AI advisor and mentor for K21 Academy courses covering AI, Cloud, and DevOps
- 40+ participants from diverse backgrounds including QA testers, software engineers, data professionals, healthcare workers, and fresh graduates
- Recording enabled for future access and review
- Participants requested to rename themselves for proper identification

Participant Background Analysis (16:40 - 26:37)

- Joshna: SEP test lead transitioning to AI/ML architect/engineer roles
- Ravi Chandra: 10-15 years Java/C# developer in capital markets
- Hashen: 20+ years software engineering with Azure, ETL, Python experience
- Avina: Senior software engineer with 7+ years backend experience in Virginia financial domain
- Anmol: Fresh graduate with Python programming experience seeking career guidance
- Madhuri: Health claim analyst in Atlanta looking to apply AI in healthcare domain

Course Structure & Navigation Overview (26:37 - 51:59)

- All-in-one AI/ML Job Oriented Program includes 8 certifications covering AWS, Azure, Python, GenAI, Agentic AI, MLOps
- Progress Diary system introduced as primary communication and tracking method (k21academy.com/progress-diary)
- Customized roadmaps created for comprehensive program enrollees with personalized links and schedules
- Module 0 'Quick Links and Helpful Resources' serves as navigation hub for single-course enrollees

Weekend Class Schedule (51:59 - 01:30:38)

- AI/ML for Beginner: January 25th, 3-hour foundational session covering basic AI concepts and terminologies
- AI Agentic Design Patterns: January 31st special class for architects and leaders
- Python for AI/ML/GenAI/AgentAI: Starting February 1st, comprehensive hands-on course
- Cloud-specific AI courses (AWS, Azure, GCP, Oracle): Begin after Python completion
- Weekend sessions: 8:30pm-11:30pm IST / 10am-1pm EST, typically 3 hours duration

Weekday Class Options (01:30:38 - 01:39:59)

- GenAI Mastery: Starting January 27th, every Monday/Tuesday/Wednesday
- Same timing as weekend sessions but 2 hours duration instead of 3
- Optional for working professionals - weekend alternatives available
- Pre-written Python codes provided for non-developer tracks

AI Project Management Track (01:39:59 - 01:58:55)

- Tentative start date: February 14th for dedicated AI Project Management course
- Specifically for participants with project management backgrounds seeking AI transition
- Available as part of comprehensive program or separate enrollment
- Combines business requirements gathering with technical AI understanding

Course Access & Recording System (01:58:55 - 02:38:05)

- Self-paced e-learning modules with video lessons, labs, and documentation
- Live session recordings uploaded to dedicated e-learning sections
- Previous batch recordings (2024 batches) accessible for reference
- Course schedules detail day-by-day coverage and lab requirements
- Environment setup: Jupyter Notebook for Python, cloud-based alternatives available

Job Preparation Strategy (02:38:05 - 02:57:52)

- Reverse engineering approach: Analyze job descriptions first, then focus learning on required skills
- Resume preparation required immediately, even without AI knowledge
- Use AI tools (ChatGPT, Claude AI) to enhance learning and create interactive applications
- Apply for jobs during learning phase to gather interview questions and market feedback
- Success story shared: Easter (30+ years K12 educator) landed AI evaluator contract within one month

Technical Requirements & Certifications (02:57:52 - 03:05:48)

- Python programming not mandatory for all roles - understanding vs. coding distinction emphasized
- Free Oracle AI certification available after tomorrow's beginner class
- Official certifications: AWS AI Practitioner, Azure AI, ML Associate, GenAI Developer
- PCEP Python certification available for those seeking programming credentials

Summary

AI Career Transition Onboarding Session

Sahid, an AI advisor at K1 Academy, conducted an onboarding session for a diverse group of participants aiming to transition into AI and related fields. He emphasized the importance of understanding the differences between AI engineer and architect roles, and clarified that the session would focus on providing an overview of courses and setting expectations rather than delving into technical details. Participants introduced themselves, sharing their backgrounds and career goals, with many expressing interest in leveraging AI for roles in healthcare, finance, and other sectors. Sahid highlighted the significance of hands-on experience and practical applications, such as using tools like SageMaker Canvas for projects, and encouraged participants to engage with the course materials and their peers. He also provided guidance on course enrollment, explaining the differences between various AI-focused programs and how they align with career objectives. Participants were advised to reach out to the support team for further assistance and to book one-on-one sessions with Sahid if needed.

AIML Gen AI Program Overview

Sahid explained the structure of the all-in-one AIML Gen AI job-oriented program, which includes various specialized tracks such as AWS AIML, Python, and Agentic AI Mastery. He

emphasized the importance of creating a progress diary to track one's journey through the program and navigate the K21 platform effectively. Sahid also introduced a personalized roadmap for those enrolled in the comprehensive program, which includes links to relevant courses, certifications, and resources. He assured participants that the roadmap would be updated and customized based on their background and goals, and encouraged them to reach out for further assistance.

Course Schedule and Focus Guidance

Sahid discussed the schedule and structure of upcoming courses, emphasizing the importance of focusing on one course at a time. He outlined several weekend and weekday classes, including a Python for AI/ML course starting February 1st, and weekend classes on AIML for beginners and a special class on January 31st. Sahid advised participants to complete the Python course before starting cloud-specific AIML courses and clarified that participants enrolled in multiple cloud platforms should focus on one recommended track. He encouraged participants to add their objectives and backgrounds to their progress diaries to receive personalized roadmaps within 12-48 hours.

Python and AI Course Overview

Sahid explained the class schedule for Python and Gen AI Mastery courses, clarifying that weekday classes are optional and weekend classes are the primary focus. He emphasized that while Python knowledge is beneficial, it's not mandatory for all roles, and hands-on experience is crucial for AI-related jobs. Sahid also addressed questions about login processes, tool installations, and job roles, promising to provide more details in future sessions.

AIML Genai Agent PK Extended Class

Sahid discussed the upcoming extended class for AIML Genai Agent PK, emphasizing its importance and the opportunity to cover beginner topics in detail. He clarified that participants should focus on the courses starting soon and addressed questions about career transitions into AI project management, advising against skipping Python for those without a project management background. Sahid also mentioned a tentative AI project management course starting on February 14th and encouraged participants to reach out for separate enrollment if not part of the AI track program. Shiv was tasked with noting participants interested in project management and sharing course links after the meeting.

AI Roles for Non-Technical Professionals

Sahid emphasized the importance of understanding Python and other technologies for non-technical roles in AI, such as project managers, to bridge communication gaps with technical teams. He highlighted that while coding is not always required, basic knowledge can be highly beneficial. Keith inquired about job opportunities with his background in project management and PMP certification, to which Sahid confirmed that Keith could apply for AI-related project management roles.

AI Job Preparation Strategies

Sahid discussed the importance of updating resumes and preparing for AI-related job roles, emphasizing the need to blend previous experiences with new AI skills. He advised learners to focus on key tools and technologies mentioned in job descriptions and to use AI tools like ChatGPT to enhance learning and job preparation. Sahid also highlighted the importance of mock interviews and resume preparation sessions provided by the program. He encouraged learners to share their updated resumes on the progress diary and to reach out for support if needed.