

HITESH JOSHI

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PROFESSIONAL SUMMARY

Associate Software Engineer with experience in backend development, production support, and enterprise healthcare applications. Skilled in debugging, REST API development, and system integration using MUMPS, Cache Database, and Node.js. Proven ability to resolve production issues, deliver scalable features, and integrate AI-driven workflows into applications.

WORK EXPERIENCE

Altera Digital Health (formerly Allscripts), Vadodara

Associate Software Engineer

July 2023 – Present

- Promoted from intern to full-time role based on strong technical contributions
- Resolved 50+ production bugs, improving system stability and customer experience
- Delivered 40+ user stories across ~30 new functionalities
- Contributed to dashboard development and UI upliftment of Web Application, primarily working on frontend using HTML, CSS, and JavaScript
- Designed and developed REST APIs using Node.js
- Worked with JSON for backend integrations
- Integrated IRIS Studio with web applications via APIs
- Designed and integrated AI-driven workflows using MATCHA AI, enabling multi-model (ChatGPT, Gemini) interactions and embedding custom AI assistants into applications via APIs
- Worked in a Kanban-based Agile environment for production support and issue resolution
- Participated in Scrum practices for feature development
- Used MUMPS, Cache Database, and Cache Studio for backend development

Software Engineering Intern

November 2022 – July 2023

- Gained hands-on experience in MUMPS and healthcare systems
 - Assisted in debugging and resolving production issues
 - Worked with Reflection and Routines in Cache Studio
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TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript, SQL, MUMPS

Backend & APIs: Node.js, REST APIs, API Integration, JSON

AI & Tools: MATCHA AI, LLM Integration

Web Technologies: HTML, CSS

Concepts: Data Structures & Algorithms, OOP, Data Visualization

Tools: Cache Database, Cache & IRIS Studio, VS Code, Reflection, PyCharm, Jupyter Notebook, Git, Unity, Unreal Engine, Wireshark, Anaconda, MS Office

Methodologies: Agile (Kanban, Scrum)

Operating Systems: Windows, Linux

PROJECTS

Interactive Portfolio Website (Web Application)

- Developed a feature-rich portfolio with a dynamic skills system, carousels for six projects, automated stat tracking, and Firebase-integrated leaderboards featuring typing and word tetris games
- Built using HTML5, CSS3, JavaScript (ES6+), Three.js for 3D character models and floating geometries, Canvas API for auto-adjusting text, Chart.js for radar charts, and Firebase for real-time data
- Implemented advanced UI/UX components, including a certification system, vCard/QR integration, profile image fader, Web Audio API sound system, spiral timeline, particle network, WebGL shaders, and glassmorphism design
- Link: <https://hitesh-joshi.netlify.app>

Handwritten Digit Recognition (CNN)

- Machine learning model for handwritten digit classification (Final Year Project)
- Implemented CNN architecture with pooling and dropout for improved accuracy
- Applicable for digitising handwritten forms and postal services data

DTOY (VR Web Application)

- VR-based web application for immersive educational experiences
- Built using WebVR, A-Frame, JavaScript, HTML, CSS
- Link: <http://dtoy.netlify.app>

Virtual Meetup (Desktop Application)

- Desktop-based virtual meeting platform for education and collaboration
- Built using Unity, Unreal Engine, Blender; web components with HTML, CSS
- Link: <http://virtualmeetup.netlify.app>

ParkSpot (Parking Booking System)

- Web application for booking parking slots online
- Frontend: HTML, CSS, JavaScript | Backend: SQL, PHP
- Link: <http://parkspot.netlify.app>

E-Commerce Website (Web Application)

- Developed a functional e-commerce platform leveraging HTML, CSS, and JavaScript
- Implemented product listings and UI components to facilitate a seamless online shopping experience
- Link: <https://e-commerce15.netlify.app/>

EDUCATION

M.Tech in Artificial Intelligence & Machine Learning (Pursuing)
Indian Institute of Information Technology Vadodara (IIIT-V)
Expected Graduation: July 2028 (Started: July 2026)

B.Tech in Computer Science and Engineering
Institute of Aeronautical Engineering, Hyderabad
CGPA: 8.22 (July 2018 – August 2022)

Intermediate (11th – 12th), Science (PCM)
New Chaitanya Junior College, Hyderabad
93.8% (June 2016 – May 2018)

High School (10th Standard)
Kendriya Vidyalaya Tirmalagiri, Secunderabad
CGPA: 10 (April 2015 – May 2016)

CERTIFICATIONS

- [Machine Learning](#)
 - [Data Visualisation with Python](#)
 - [Ethical Hacking & Cybersecurity](#)
 - [Problem Solving with C & Python](#)
 - [Game Development](#)
 - [Data Science](#)
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ACHIEVEMENTS

- 2nd Rank – Pro-Coder Coding Competition
 - Semifinalist – Uber HackTag
 - Winner – AR/VR Track (Google DSC WOW)
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ADDITIONAL INFORMATION

- Learning AI/ML concepts using Python (NumPy, Pandas, basic model building)
- Exploring LLM usage, prompt design, and real-world AI integrations
- Building an understanding of applying AI solutions in production systems
- Strong problem-solving and analytical skills
- Experience working in team-based and fast-paced environments
- Quick learner with interest in AI and backend systems
- Served as Class Representative during B.Tech, coordinating between students and faculty