

Anubhuti Verma

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Senior AI Engineer with **8 years** of experience designing and building scalable backend platforms, enterprise AI solutions, and distributed systems. Proven expertise in developing production-grade AI agents, Retrieval-Augmented Generation (RAG) applications, high-performance REST APIs, and cloud-native microservices using Python and FastAPI. Experienced in leading technical discussions, architecting scalable systems, mentoring engineers, and delivering business-critical solutions that automate workflows, improve operational efficiency, and accelerate enterprise decision-making.

SKILLS

- **Languages:** Python, JavaScript
- **AI & GenAI:** Google ADK, LangChain, RAG, MCP Servers, Prompt Engineering, Embedding Models, Vector Databases, ChromaDB, LLM Integration
- **Backend:** FastAPI, REST APIs, Microservices, Node.js, Express.js, Asynchronous Programming, OAuth2, JWT Authentication
- **Cloud & DevOps:** AWS (EC2, Lambda, S3), Docker, CI/CD, Git
- **Databases:** PostgreSQL, MongoDB, Redis, NeonDB, ChromaDB
- **Architecture:** System Design, Event-Driven Architecture, ETL Pipelines, Data Warehousing, Distributed Systems

WORK EXPERIENCE

Senior Software Engineer (2019 - Present)

SenseHawk (Reliance Industries Limited), Abu Dhabi, UAE

- **GenAI Platform (Python, Google ADK, RAG, ChromaDB, Prompt Engineering):** Designed and shipped **Navix**, a production AI agent enabling natural-language interaction with enterprise operational data, reducing reporting time from **one week to under one minute**.
- **AI Backend Services (Python, FastAPI, REST APIs, RAG, ChromaDB, PostgreSQL, MCP Servers):** Built scalable AI services integrating enterprise knowledge sources, vector retrieval, and conversational AI workflows for production GenAI applications.
- **Data Platform (Node.js, Express.js, MongoDB, NeonDB, Power BI):** Architected and owned a high-throughput ETL and analytics platform, reducing analytics latency from **48 hours to 1 hour** while enabling near real-time business dashboards.
- **Distributed Systems (XML, ActiveMQ, STOMP, Event-Driven Architecture):** Designed Kafka-style consumer group semantics for asynchronous processing, significantly improving scalability and reliability across the SaaS platform.
- **Enterprise APIs (FastAPI, Express.js, REST APIs, OAuth2, JWT):** Developed secure backend APIs with authentication and authorization for enterprise applications and third-party integrations.
- **Enterprise Applications (Node.js, MongoDB, REST APIs):** Built and maintained a geo-spatial ticket management platform handling **50,000+ monthly field operations**, improving SLA compliance and reducing reporting effort by **50%**.
- **Workflow Automation (Node.js, MongoDB, REST APIs):** Delivered a version-controlled document management platform used by **150+ enterprise users**, reducing approval cycles by **50%** and streamlining business workflows.
- **Technical Leadership (System Design, CI/CD, Git, Agile):** Led architecture discussions, mentored engineers across the US, Europe, and UAE, collaborated with cross-functional teams, and improved engineering standards through code reviews and deployment automation.

Backend Developer (2018 - 2019)

Shanghari Global, New Delhi, India

- **Blockchain Platform (Node.js, Express.js, MongoDB, REST APIs):** Built Reneum, a blockchain-powered renewable energy trading platform processing approximately **1.2 million daily power transactions**.

EDUCATION

B.Tech, Computer Science and Engineering - Ajay Kumar Garg Engineering College, AKTU (**GPA: 9/10**)

ACHIEVEMENTS

- **Google Summer of Code 2017 – FOSSASIA:** Selected as a Google Summer of Code contributor, where I designed and developed open-source features for the Open Event platform, collaborating with an international open-source community.
- **Google India Challenge Scholar** – Recognized by Google for excellence in mobile web development and innovation.