

ABHISHEK DANGI

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SUMMARY

Results-driven Backend Developer experienced in building scalable and high-performance REST APIs and backend services using Python, FastAPI, and SQL databases. Strong foundation in DSA, OOP, API authentication, AWS, and modular backend architecture. Proven ability to reduce system load, optimize performance, and deliver production-ready features. Passionate about solving complex problems, writing clean code, and creating reliable backend systems.

WORK EXPERIENCE

Software Engineer Intern

Jan 2025 – July 2025

Codely.ai – Bengaluru, India

- Developed scalable and optimized REST APIs using **Python and FastAPI**, improving API response time by **30%** and reducing backend load.
- Designed modular backend components and service layers, reducing code duplication by **25%** and improving maintainability.
- Integrated APIs into the AirTech ERP system for airline, hotel, and agency bookings, enabling **real-time operational workflows**.
- Implemented secure authentication using **JWT, OAuth2, and Bearer tokens**, enhancing security for partner agencies.
- Collaborated with senior engineers for debugging, code reviews, and requirement analysis, reducing production issues by **40%**.
- Optimized SQL queries and indexing strategies to improve data retrieval speed and backend performance.
- Delivered well-documented APIs, improving integration speed for frontend and analytics teams.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering | CGPA: 7.5

Dec 2020 – May 2024

V. P. Dr. P. G. Halakatti College of Engineering and Technology, Vijayapura

Pre-University (PU) in science | Percentage: 80%

May 2018 – May 2020

Vagdevi Vikas PU Science College, Mudhol

TECHNICAL SKILLS

- **Programming:** Python, Java, JavaScript, SQL, Object-Oriented Programming, DSA.
- **Backend Development:** FastAPI, REST APIs, Microservices, JWT, OAuth2, JSON.
- **Databases:** MySQL, SQL Queries, Normalization, Database Design, Query Optimization.
- **Tools & Technologies:** Git, GitHub, Postman, Visual Studio Code, Linux Basics.
- **AI Engineer:** LLM, GenAI, VectorDB, FAISS/Pinecone, OpenAI, Langchain.
- **Soft Skills:** Problem-Solving, Communication, Team Collaboration, Time Management, Adaptability

PROJECTS

➤ LLM-based RAG System for Document Intelligence 🔄

May 2025 – July 2025

- Built a complete RAG pipeline to search and retrieve information from unstructured documents.
- Implemented vector embeddings and semantic search using FAISS/Pinecone, increasing retrieval accuracy by **40%**.
- Integrated transformer-based LLMs to produce accurate, context-aware responses.
- Designed modular pipelines for ingestion, vector generation, retrieval, and ranking.

➤ AirTech ERP Ticket Booking System 🔄

March 2025 - May 2025

- Developed core backend APIs that supported real-time ticket booking for airlines, hotels, and agencies.
- Optimized routes using FastAPI async features, reducing latency and improving performance.
- Added robust authentication and authorization (JWT/OAuth2), strengthening partner integration security.
- Integrated backend APIs with dashboards used by internal teams, improving workflow efficiency.

CERTIFICATIONS

- AI Engineer Certification -2025 (ORANTS Organization)