RAKESH DAMAN YELAKANTI

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Summary

Entry-level Python developer with hands-on experience building REST APIs using FastAPI , integrating databases, and deploying applications. Academic background in Data Science with practical exposure to data analysis and AI-driven systems. Actively seeking an entry-level backend or software development role with opportunities to grow into data- and ML-enabled systems

Education

Bachelor of Technology (B. Tech) in CSE(DATA SCIENCE)
Avanthi Institute of Engineering and Technology | 2022 – 2025
CGPA: 7.01/10 *(as of 4th year, 1st semester)*

Diploma in Electrical and Electronics Engineering (EEE)
T.R.R. College of Polytechnic | 2019 – 2022
CGPA: 7.91/10

Secondary School Certificate (SSC)
Santhi Nikethan Talent School | March 2019
CGPA: 8.7/10

Skills

Category	Skills
Programming Languages	Python, Java
Backend Development	FastAPI, REST APIs
Databases	SQL, PostgreSQL (basic), MongoDB *(learning)*
Web Technologies	HTML, CSS3, Js (basic)
Tools & Platforms	Git, GitHub, VS Code, Jupyter Notebook, Google Colab
Data & AI Exposure	Data Analysis, Recommendation Systems, Generative AI APIs

Projects

Attend Ease – Facial Recognition Attendance System
Python, OpenCV, TensorFlow, Flask, SQL
- Developed a facial recognition-based attendance system to automate attendance tracking.
- Achieved 90%+ recognition accuracy under varying lighting and facial conditions.
- Reduced manual attendance processing time by approximately 70%.
- Implemented backend APIs using Flask for user registration, face recognition, and attendance storage.
- Integrated database for persistent attendance records.

UltraTech Pick – AI-Based Product Recommendation System
Fast API, Gemini API, Tailwind CSS, Render
- Built a backend service using Fast API to generate product recommendations based on user preferences.
- Integrated Generative AI (Gemini API) to interpret user inputs such as budget and usage requirements.
- Designed RESTful endpoints with request validation and structured JSON responses.
- Deployed the backend application on Render with environment-based configuration.
- Created a lightweight frontend for testing and demonstration purposes.

Internship Experience

Microsoft AI × EduNet Foundation | *May 2025 – June 2025*

- Completed a structured internship focused on data analysis concepts, Generative AI fundamentals, and Azure AI services.
- Worked with PostgreSQL and practiced querying and managing data in cloud-based environments.
- Studied real-world use cases including semantic search, AI-powered recommendations, and natural language querying.
- Designed a conceptual data-driven recommendation system, focusing on data flow and AI integration with backend services.

Python Intro to Machine Learning Intern (Ongoing)

Sure Trust *September 2025 – Present*

- Currently undergoing a structured internship focused on **Python programming, backend development using Flask, and data analysis**.
- Built backend APIs using **Flask** as part of hands-on learning modules.
- Completed **Exploratory Data Analysis (EDA)** using Python libraries for data understanding and preprocessing.
- Worked on data visualization techniques; advanced visualization modules currently in progress.
- Currently learning **Machine Learning fundamentals**, including supervised learning concepts and model evaluation.
- Gaining practical exposure to applying ML concepts in small guided exercises.

Certifications

- **Cisco Networking Academy:** Data Analytics Essentials
- **TCS ION:** TCS ION Career Edge –Young Professional course
- **Udemy:** Time Series Analysis and Forecasting using Python