Rajshekar G N

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CAREER OBJECTIVE

Computer Science graduate with expertise in Python development, REST API design (FastAPI), and backend systems. Passionate about building scalable, secure, and maintainable services. Seeking a Python Developer role to contribute backend engineering and problem-solving skills to high-impact projects.

TECHNICAL SKILLS

Languages: Python, Java, C++
Frameworks: FastAPI, Pandas, NumPy, Matplotlib, Scikit-learn, BeautifulSoup
Tools/Technologies: Git, Linux, Docker, REST APIs, SQLAlchemy, Uvicorn, Jupyter
Databases: MySQL, PostgreSQL
Concepts: Object-Oriented Programming (OOP), Data Structures, Algorithms, API Design, DevOps

EXPERIENCE

Project Intern — Jan 2024 – Jun 2024
Aqmenz Automation Pvt Ltd — *Bangalore, India*

- Built a KNN-based customer churn prediction model, improving churn accuracy by 12 percent
- Preprocessed data using Pandas and visualized trends with Matplotlib for business insights
- Tuned hyperparameters and deployed model prototype for stakeholder review

PROJECTS

FastAPI-Based To-Do List API | *Python, FastAPI, PostgreSQL, SQLAlchemy, JWT* — 2025

- Developed asynchronous REST API enabling full CRUD functionality with FastAPI, PostgreSQL, and SQLAlchemy
- Integrated Swagger UI for API documentation and JWT for secure user authentication
- Code available at: github.com/rajshekar321/TodoListFastAPI

Bookstore Management System API | *Python, FastAPI, PostgreSQL, JWT, Uvicorn* — 2025

- Created backend API with FastAPI supporting inventory and order management
- Employed JWT tokens for authentication and PostgreSQL for data persistence
- Deployed via Uvicorn for high-performance asynchronous web server
- Code available at: github.com/rajshekar321/bookstore_FASTAPI

Heart Disease Prediction (Machine Learning) | *Python, XGBoost, Pandas, Matplotlib* — May 2024

- Built XGBoost model predicting heart disease using clinical data with high accuracy
- Utilized Pandas, Matplotlib, and Seaborn for data analysis and visualization
- Enhanced model interpretability through feature importance analysis and data visualization

Airlines Reservation System | *HTML, CSS, JavaScript, PHP, MySQL* — Jan 2023

- Designed responsive flight booking system with HTML, CSS, JavaScript frontend
- Developed backend in PHP with MySQL database for efficient bookings and itinerary management
- Implemented user authentication and booking confirmation features

EDUCATION

Bachelor of Engineering in Information Science and Engineering — 2020 – 2024
SJB Institute of Technology — *Bangalore, India*

- CGPA: 7.32/10.0

CERTIFICATIONS

Scrum Fundamentals Certification — Jan 2024
Cloud Computing (NPTEL) — Aug 2022 – Oct 2022