

Bhuvaneswari Bathula

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Profile Summary

Python Developer with industry experience at Amazon as an Investigation Specialist, bringing strong analytical thinking, process ownership, and problem-solving skills. Skilled in building backend applications using Python, REST APIs, and database-driven systems. Experienced in developing CRUD-based services, integrating third-party APIs, handling data validation, and writing clean, maintainable code. Actively seeking Python Developer / Backend Developer roles to contribute to scalable applications and grow in a fast-paced engineering environment.

EDUCATION

- **B.Tech.**, Electronics and Communication Engineering | **IIIT RGUKT RK Valley** | CGPA: **7.71/10** 2019 -2023
- **PUC.**, Mathes, Physics, Chemistry | **IIIT RGUKT RK Valley** | CGPA: **8.05/10** 2017 -2019

EXPERIENCE

- **Amazon** | Investigation Specialist | Jan 2024 – Sep 2024
 - Took appropriate action to identify and minimize the risk posed by 15 different types of fraud patterns and trends.
 - Identified and minimized Amazon's financial, legal, and reputational risks with 0.0004 % Defect rate.
 - Selected for Weekly Golden Globe Awards
 - Customer query Handling

SKILLS

- **Programming** | Python, SQL
- **Backend Development** | REST APIs, CRUD, Authentication basics, Request validation
- **Frameworks** | Flask, FastAPI
- **Databases** | MySQL, PostgreSQL, SQLite
- **Tools** | Git, Postman, VS Code
- **Data Handling** | Pandas, NumPy (basic for scripting and automation)
- **Visualization (basic)** | Power BI, Tableau

PROJECTS

E-Commerce Order Management API (PostgreSQL)

- Built a backend REST API for managing **users, products, orders, and payments** using **FastAPI**.
- Designed relational database schema in **PostgreSQL** and implemented CRUD operations using SQL queries.
- Implemented key features like pagination, filtering, order status tracking, and input validation.
- Added error handling and structured API responses to improve reliability and debugging.
- Tested endpoints using Postman and documented APIs for easy integration.
- **Tech Stack:** Python, FastAPI, PostgreSQL, SQL, Postman

Expense Tracker + Analytics Service (MySQL + External API Integration)

- Developed a FastAPI-based backend service to track **income/expenses** and generate category-wise monthly summaries.
- Built secure database tables in **MySQL** for transactions, categories, and user profiles.
- Integrated a **currency conversion API** to support multi-currency expense entries.
- Created endpoints for analytics like total spend, top categories, and month-over-month comparisons.
- Optimized SQL queries for faster reporting and improved response time for dashboards.
- **Tech Stack:** Python, FastAPI, MySQL, REST APIs, SQL

Bachelor Thesis: Digital Exam Evaluation

- Developed a secure exam delivery system using password protected .xlsx files for 200+ Students.
- Automated grading with a Python script to process submissions and generate grades by storing results in a CSV file.

CERTIFICATIONS

- Python for Data Science
- Tableau 2024 A-Z: Hands on Tableau Training for Data Science | Udemy
- PowerBI for Everyone | Udemy

ACADEMIC ACHIEVEMENTS

- Secured 1st Prize in Technical Fest conducted - IIIT RGUKT RK Valley
- Participated in a Webinar on “Artificial Intelligence in real-time applications.”

INTERESTS

- Photography
- Cooking