KHUSNUMA PARWEEN

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Professional Summary

Detail-oriented Python Developer with practical experience in backend development using Flask and MySQL. Skilled in building modular, scalable applications and RESTful APIs. Gained exposure to deploying applications and working with basic cloud services like AWS EC2. Strong foundation in debugging, SDLC practices, and collaborating within Agile teams. Currently focused on enhancing full-stack capabilities and cloud-readiness for production-grade solutions.

Key Skills

Languages: Python, Java, SQL
Frameworks & Tools: Flask, REST APIs, Git, VS Code
Databases: MySQL, Oracle, SQL Server
Concepts: SDLC, Debugging, Code Optimization, Agile Practices
Soft Skills: Team Collaboration, Problem Solving, Adaptability

Experience

Python Developer Intern
CodeTech Solutions (Remote) — Apr 2024 – Jun 2024

- Developed backend components for a Library Management System using Flask and Python
- Automated data processing and report generation for system efficiency
- Wrote clean, testable code and participated in code reviews with the team

Independent Learning & Projects
Jul 2023 – Mar 2024

- Built Flask-based applications focused on secure authentication and data handling
- Explored application deployment using AWS EC2 and basic MySQL RDS setup
- Strengthened debugging, database design, and clean architecture principles through hands-on practice

Projects

RNN Optimizer Performance Analysis

- Implemented and compared optimizers (Adam, RMSprop, SGD) on RNN-based time series forecasting
- Analyzed accuracy and convergence metrics to select optimal hyperparameters

Secure NotesApp

- Created a Flask application for secure note management with user authentication
- Integrated MySQL for data persistence and structured the codebase for maintainability
- Designed with future deployment readiness in mind (e.g., EC2 + RDS setup)

Education

Masters in Computer Application (MCA) – Sri Sri University
Cuttack, Odisha | Jun 2021 – Jul 2023

B.Sc – RD Women's University
Bhubaneswar, Odisha | Sep 2018 – Jan 2021

Intermediate – Tulasi Women's College
Kendrapara, Odisha | Jun 2016 – Jul 2018

Certifications

- Python and Flask Bootcamp – Udemy
- Complete Linux Training Course – Udemy

Additional Information

Languages: English, Hindi
Interests: Backend Development, Cloud Basics, Full-Stack Learning