

Ajay Maddineni

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Career Objective — Aspiring Software Engineer and B.Tech graduate with a strong foundation in Full-Stack Development and Cloud Computing (Azure AZ-900/PL-900). Proficient in building scalable web applications using Python, Flask, and ReactJS, with hands-on experience in RESTful APIs and SQL databases. A self-driven developer skilled in leveraging AI tools (ChatGPT/Copilot) to optimize code and accelerate the SDLC. Eager to contribute technical problem-solving skills to a fast-paced software development team.

Technical & Transferable Skills

Programming : Python

Web Development : HTML5, CSS3, Bootstrap, JS, Flask

Databases: SQL, RDBMS

Cloud Platforms : Microsoft Azure (AZ-900), Azure App Service, Power Apps (PL-900)

Development Tools : VS Code, Git, GitHub, Copilot

Testing : Unit Testing, Functional Testing, UI Testing

Operating Systems: Windows, Linux

Soft Skills: Excellent Communication, Team Collaboration, Adaptability, Strong Attention to Detail, Time Management

Relevant Experience & Projects

SpendWise – Personal Finance Web App (Flask, Azure)(Under Development)

- Designed and implemented a finance-focused web application for income and expense tracking, simulating real-world budgeting workflows.
- Planned to integrate SQL schema for structured data storage and chart visualizations to support interactive spend analysis. Applied SDLC practices including design, testing, debugging, and documentation to ensure reliability and scalability. Used AI-assisted tools (Copilot/ChatGPT) for debugging and code review.

Personal Portfolio Website(Flask, Reactjs) —(Self-Driven Project)

- Built and deployed a dynamic portfolio using ReactJS and Bootstrap for the frontend, with a Flask backend API.
- Leveraged AI (ChatGPT) to accelerate development, generating complex CSS layouts and optimizing logic for responsive UI components.
- Deployed on Render, implementing a RESTful API to centralize data management and improve site maintenance efficiency.
- Live Website:** <https://ajaymaddineni-portfolio-dp5s.onrender.com/>

BMI Calculator Web Application (Flask, Azure)—(Self Driven Project)

- Built and deployed a responsive BMI calculator using Flask and Python.
- Conducted unit/UI testing to ensure validation accuracy across devices.
- Deployed on Azure App Service, optimizing load times.
- Live Website:** <https://bmicalcapp-htdfeb9dqbuc2fe.centralindia-01.azurewebsites.net/>

Education

Narasaraopeta Engineering College — BTech in Mechanical Engineering — CGPA: 7.68

Passout: 2024

Sri Chaitanya Jr College — MPC — CGPA: 7.46

Passout: 2020

Care High School — SSC — CGPA: 9.0

Passout: 2018

Certifications

- Microsoft Azure Fundamentals (AZ-900)
- Microsoft Power Platform Fundamentals (PL-900)
- Python – Coursera (UMich), NPTEL
- Databricks - Prompting Fundamentals
- IBM Databases and SQL - Coursera

Workshops and Activities

- PwC Switzerland Power BI Job Simulation (Forage)
- Completed internship training in South Central Railways (Vijayawada)
- Master Orator Championship Participant