VINEETHA MADASU

Full Stack Python Developer

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SUMMARY

Full Stack Python Developer with 2+ years of experience in full-stack development and project execution, specializing in Python, SQL, and modern web technologies. Successfully **led the development** of a **GTA Hiring and Management System**, automating workflows and reducing errors by 30%, and a **Web-Based Task Management System**, enhancing team productivity by 25% through efficient task organization and scheduling.

PROFESSIONAL EXPERIENCE

Graduate Research Assistant

Kennesaw State University

📅 08/2024 - 12/2024   📍 Marietta, United States

- Collaborated with the professor to architect web-based solutions utilizing **Python Flask, HTML/CSS, and SQL,** focusing on building scalable full-stack applications.
- **Integrated and resolved backend challenges**, improving system efficiency and **reducing load times by up to 45%**, ensuring a seamless user experience.
- **Worked on full-stack development**, handling **frontend (React.js, AngularJS) and backend (Flask, SQL, MongoDB)** to create dynamic, data-driven applications.

Student Assistant

Kennesaw State University

📅 03/2024 - 06/2024   📍 Marietta, United States

- Guided students through hands-on web application projects using **HTML5, JavaScript, and MongoDB. E**stablished best practices in design that led to a 30% increase in project completion rates among participants.
- Instructed students on building robust web applications with HTML5, JavaScript, and MongoDB while enforcing design standards that led to improved code quality across all submitted projects by 30%.

Full Stack Python Developer

DXC Technology - Remote

📅 02/2022 - 07/2023   📍 Bangalore, India

- Designed and implemented **web applications** using Python, HTML, CSS, JavaScript, and MongoDB, delivering scalable and efficient solutions.
- Integrated **RESTful APIs** for seamless communication between client-side and server-side components.
- Built responsive, user-friendly **frontend interfaces** using HTML, CSS, and JavaScript, ensuring cross-browser compatibility.
- Optimized database queries and managed data storage with **SQL**, improving application performance by 25%.
- Deployed and maintained projects on **GitHub**, implementing version control and collaborative workflows to ensure code integrity.
- Collaborated with cross-functional teams to deliver end-to-end solutions, aligning development with business requirements.

EDUCATION

Master's in Information Technology

Kennesaw State University

📅 08/2023 - 12/2024   📍 Marietta, United States

- Relevant Coursework - Python, HTML, CSS, IT Capstone

GPA
3.9 / 4.0

SKILLS

Python | Flask | SQL | MongoDB

HTML | CSS | Java Script | React.Js

Node.Js | API | GitHub | AWS | Docker

PROJECTS

GTA Hiring & Management System

📅 08/2024 - 12/2024   📍 Kennesaw State University

🔗 https://github.com/vineetha346/GTA-Hiring-Management-System

- Designed a web-based application using **Python Flask** and **MongoDB**, automating the hiring process and reducing manual effort and errors by **40%**.
- Implemented features like **GTA request automation**, cross-listing detection, and approval sheet management, ensuring compliance with institutional policies and reducing processing time by **30%**.
- Built a user-friendly interface with **HTML5** and **CSS**, enabling efficient data uploads via **Excel/CSV** and providing real-time updates for courses and assignments, improving data update speed by **25%**.
- Integrated robust validation logic and preview features to enhance data accuracy and improve decision-making processes, reducing data entry errors by **20%**.
- **Managed project planning and task delegation**, ensuring timely delivery and reducing manual workflows by 50%.

Task Management System

📅 08/2023 - 12/2023   📍 Kennesaw State University

- Executed user management and task creation features using HTML5, JavaScript, and MongoDB, improving task assignment efficiency by 40%.
- Integrated **Google Calendar API** for task synchronization, reducing scheduling conflicts by 50%.

CERTIFICATION

Microsoft Certified: Azure Fundamentals

ACHIEVEMENTS

✔ **Qualified for Dean's 4.0 Club at Kennesaw state university**