Adiba Akter

Sacramento, CA || **Phone**: (916) 743 8234 || **Email**: adiba.akter.98@gmail.com || **GitHub Website LinkedIn**

EDUCATION

California State University, Sacramento   **Expected Graduation: Fall'24**

Bachelor of Science in **Computer Science**, Minor in Marketing.   **GPA: 3.5**

Relevant Courses: Agile Methodology, Intelligent systems: AI, Web Programming, Data Visualization, Data Analytics

Work Experience

California Department of Toxic Substances, Solutions Developer Intern (SAAS ArcGis)   **(May 2024-Present)**

- Transformed indoor cubicle layouts for two facilities by utilizing Python, ArcGIS Pro, and advanced data visualization techniques, resulting in a 90% increase in workstation reservation rates; conducted rigorous testing to ensure quality and accuracy.

- Engineered an automated metadata compliance system using Python and ArcGIS API, flagging incomplete datasets and dispatching timely update reminders to staff, bolstering data integrity and operational efficiency across thousands of records by streamlining maintenance workflows.

- Enhanced the web experience map by integrating Senate and County data for real-time tracking of emergency fire and traffic conditions, significantly improving situational awareness for stakeholders using ArcGIS Online.

- Developed and implemented Python scripts for waste management in wildfire-affected areas, creating and appending dynamic data layers to improve site visibility and survey connectivity by 80%, optimizing response efforts.

Sac State Enrollment Management and Student Services, Student Assistant   **(April 2022 – August 2024)**

- Worked on resolving technical issues related to student enrollment data by managing tickets in EAB and developing dashboards in Excel and Tableau to support accurate and timely reporting of student registration each semester.

- Developed and refined data queries to analyze enrollment patterns and generate comprehensive reports for university stakeholders, contributing to improved data management practices and earning consecutive nominations for Student Employee of the Year in 2023 and 2024.

PROJECTS

MedBuzz App: **(January 2024-Ongoing)**

- Worked in a team of 8 to develop a mobile application for Radixsol, streamlining the recruitment process for healthcare workers by enabling real-time job search, application tracking, and direct communication with recruiters.

- Collaborated with a cross-functional team to implement key features such as profile creation, ATS integration, and SharePoint-based document management, enhancing user engagement and reducing manual processes by 40%.

- Utilized a hybrid framework (React Native) and integrated Microsoft SharePoint API for secure document storage and management, resulting in a scalable solution supporting over 10,000 users.

SmartPantry - Meal Planning App (HackSwift Hackathon '24, Honorable Mention):   **(March 2024)**

- Developed an innovative meal planning app, SmartPantry, by leveraging the MERN stack and Edamam API to provide personalized meal recommendations, reducing food waste by 30% and improving food storage efficiency for over 5,000 users.

- Led back-end development using Node.js and Express.js, integrating MongoDB for seamless dynamic content management and creating the "Food Storage Tips" page, which increased user engagement with sustainable practices by 50%.

Scholarly WebApp (Sac State AI Hackathon Luma'24):   **(April 2024)**

- Led a team of 4 in developing the Scholarly WebApp, designing a Python script for web scraping to efficiently gather scholarship information from multiple sources, optimizing data collection and processing speed by 70%.

- Directed the integration of the MERN stack with OpenAI's API, contributing to the Login page code and crafting prompts that achieved 95% accuracy in matching scholarships to user resumes.

- Achieved top 3rd position among 11 teams by successfully displaying the top 3 scholarship matches based on resume keyword analysis and providing direct application links, qualifying for participation in a university-wide hackathon.

SKILLS

Programming Languages: Java, Python, C, C#, JavaScript, HTML5, CSS, SQL (MySQL, Oracle), Unix/Linux, Machine Learning.
Software: Git, Postman, Visual Studio Code, Virtual Box, Jira, Android Studio, Figma, Jupiter Notebook, Tableau.
Frameworks: React Native, Bootstrap, Linux, Rest API, Node.js, Amazon Web Services, MongoDB, TensorFlow, MS SharePoint

LEADERSHIP EXPERIENCE:

Society of Women Engineers, Sac State: As a member worked on empowering women in STEM through collaborative workshops, leadership development, and networking events.   **(2022 - 2024)**