RONALD PRASAD

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EDUCATION

University of California, Santa Cruz   **Santa Cruz, CA**
Bachelor of Science: Computer Engineering, Systems Programming   Expected June 2026
Coursework: Data Structures & Algorithms • Computer Architecture • Prin of Comp Sys Design

Sierra College   **Rocklin, CA**
Computer Science   08/2021- 05/2023
Coursework: Object Oriented Pgrm C++ • Data Structures • Discrete Structures for CS

SKILLS

Programming Languages: Java • Python • C++ • C# • SQL
Tools: git • VS Code • Jira • Microsoft Azure • Confluence
Soft Skills: Innovative Problem-Solving • Collaborative Team Player • Versatile Adaptability • Reliable Consistency

EXPERIENCE

Flyers Energy, LLC | Application Developer Intern | Auburn, CA | C# • SQL   06/2023 – 09/2023
- Championed full-stack development initiatives, enhancing both back-end and front-end functionalities to optimize overall system performance.
- Pioneered the development of a comprehensive application from inception to completion, successfully transitioning the entire transportation department to utilize in-house software for managing 100+ drivers, and streamlining their workflow.
- Demonstrated exceptional problem-solving skills by uncovering and rectifying 4+ bugs that had eluded detection for several years, significantly improving system reliability.
- Created essential documentation relating to my projects for technical and user usage.

Flyers Energy, LLC | Application Developer Intern | Auburn, CA | C# • SQL   05/2022 - 08/2022
- Utilized the Model-View-Controller(MVC) framework proficiently to architect and implement the core structure of each application, enhancing maintainability and scalability.
- Spearheaded the end-to-end design and development of a cutting-edge HR workflow optimization application, streamlining processes and enhancing efficiency within the organization.
- Directed a new company application for handling customer letters leading a fellow intern through our project goals.
- Took charge of the entire back-end development process for a company's new application, delivering a robust and scalable solution to meet business needs.
- Proactively maintained critical company software, ensuring uninterrupted operations and swift issue resolution.

Projects

Tournament Simulation | JAVA
- Developed a custom class, enhancing program versatility by enabling the dynamic generation of fighter characters.
- Implemented user-driven control for the number of generated fighters, allowing users to tailor their experience to their preferences.

Web Scraping and Email Automation | PYTHON
- Developed a robust web scraping application tailored to fetch real-time stock data for Tesla, providing valuable market insights.
- Orchestrated an automated data processing pipeline that formats the retrieved stock data, culminating in the seamless generation and dispatch of informative emails.

User Login System | PYTHON
- Engineered a user-friendly GUI login system entirely from the ground up, leveraging the **Tkinter** to provide an intuitive interface.
- Empowered users with the capability to create new accounts and seamlessly access existing ones, enhancing their experience with the software.

Awards and Interests

Academic Honor Roll: Dean's List: 2021-2022; President's List: 2022-2023

Interests: Backend Dev • FullStack • Hardware