Rishmal Rohin Kumar

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Education

University of California, San Diego **Sep. 2019 – PRESENT**
Bachelor of Science in Computer Science *Expected Graduation - April 2023*

- **GPA:** 3.923/4.000
- **IEEE - Eta Kappa Nu (HKN) - Kappa Psi** | *Lifetime Member*

Relevant Coursework

- Advanced Software Engineering
- Advanced Data Structures
- Algorithm Analysis and Development
- Machine Learning
- Web Development (Front-End and Back-End)
- Operating Systems
- AI: Search and Reasoning
- Object-Oriented Programming
- Web Analytics

Projects

Fantasy-Reference | *React, NodeJS, Python* **August 2022 - PRESENT**

- I created a website that calculates the fantasy basketball stats for NBA players based on various filters and specifications provided by the user
- The website has a React front-end and an active REST endpoint on an active Express server that triggers a Python script, and it is hosted on an Apache server
- Additional features and bug fixes are in progress!

Powelldoro | *HTML, CSS, JavaScript* **April 2022 – June 2022**

- I was one of two project leads that led a team that took over an existing Pomodoro timer project and improved it to make a deployment-ready, 1.0 product that is up to industry standards
- I primarily worked on DevOps, by implementing the CI/CD pipeline and creating our documentation, and unit and End-to-End testing, as well as managing the team throughout the process

Birds of a Feather | *Java, Android, XML* **January 2022 – March 2022**

- I worked with a group to create a fully-functioning Android app using Bluetooth
- The app searches for nearby student-users that share previous classes with the current user, so that the user can find people they know to work with on group homework assignments

Portfolio Website | *HTML, CSS, JavaScript* **January 2022 – March 2022**

- I created a website to showcase my Front-End Web Development skills and serve as an extended, more detailed version of this Resume, containing more information about my projects and experiences

Food.com Recipe Cook and Cook Time Predictor | *Python* **November 2021**

- I analyzed a dataset of recipe entries from *Food.com* and used Machine Learning techniques to develop a predictor of whether a random user would cook a random recipe and a predictor of how long a random recipe would take to cook.

Advanced Data Structures | *C++* **April - May 2021**

- I used existing simple data structures to create advanced ones in C++, such as Binary Search Trees, AVL Trees, Ternary Search Trees, Huffman Coding Trees, and Graphs.

Experience

Coding Minds Academy **December 2021 – PRESENT**
Computer Science Instructor

- Teach K-12 students Computer Science over the course of 16 weekly 1-on-1 classes that last 1-2 hours
- Subjects include Java, Python, C++, HTML/CSS, JavaScript, AP Computer Science Tutoring and USA Computing Olympiad (USACO) training

UCSD Circle K Technology Team **September 2021 – December 2021**
Web Developer *UCSD, La Jolla*

- Part of a team that managed and improved the website for the Circle K club on campus
- Complete front-end redesign of website using CSS and ReactJS

Technical Skills

Programming Languages: Java, Python, C++, C, HTML/CSS, JavaScript, React, NodeJS, PHP
Technologies/Frameworks: SQL, Android, Linux, Git/GitHub, Apache, REST, GDB, Valgrind, JUnit, Jest, Cypress
Developer Tools: VS Code, Vim, Eclipse, Agile Software Development