Raquib Alam

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EDUCATION

University of California, Davis **Davis, California**
Bachelor of Science in Computer Engineering/Economics Expected Graduation: May 2026

- **GPA:** 3.86/4.0, Dean's Honor List
- **Relevant Coursework:** Programming and Problem Solving, Object Oriented Programming, Data Structures and Algorithm Analysis, Discrete Math, Introduction to Electrical and Computer Engineering, Introduction to Engineering Design, Calculus I for Engineering, Calculus II for Engineering, Multivariable Calculus for Engineering, Classical Physics

PROFESSIONAL EXPERIENCE

Project Manager / Social Media Chair- ***Aggie Sports Analytics, UC Davis*** **September 2023- Present**

- Curate engaging Instagram content through Canva and Adobe Express to craft visually appealing posts, while also actively contributing to the creative brainstorming process for marketing strategies within the club.
- Specialized working within the Python programming language, LangChain, and additional libraries of Python which include Pandas, BeautifulSoup, Playwright, and Scikit-learn to lead teams to accomplish sports-driven data analytics projects

Marketing Director / Software Developer - ***Google Developer Student Club, UC Davis*** **September 2023 - Present**

- Developed comprehensive marketing strategies to increase club membership and engagement. Through social media campaigns, email marketing, and content creation we were able to get to over **1,000 followers** on our Instagram page
- Collaborated with the executive team to establish a solid and consistent brand identity for the club which in return recorded a club high of **226 applicants** applying to our club this year
- Currently working on malware file detection reader curated with Python and Machine Learning to help users identify what type of malware is on their systems

President & Founder - **Coding4Kidz, Non-Profit Org.** **August 2019 - May 2023**

- Orchestrated and directed weekly meetings and led a team of 10 student-teachers to instruct **55 K-8 students** on diverse coding languages (Java, Python, HTML, and block coding) every week on Zoom.
- Formulated the organization's lesson plan and curriculum, administered social media marketing, and partnered with high school administration to accredit teacher volunteer hours.

Teacher's Assistant - ***AP Computer Science A*** **January 2022 - June 2023**

- Educated students by creating Java and Python material for students to study and practice for the AP Computer Science A exam.
- Graded labs and homework assignments and gave weekly presentations on different topics related to the AP Computer Science A units.

PROJECTS

HIKE: Fantasy Sports Chatbot - Aggie Sports Analytics / Personal Project **February 2024**

- Used BeautifulSoup and Playwright libraries in Python, to scrape player data from each game from the 2020-2023 NBA seasons. Got data through the NBA website and parsed through specific tables for data points
- Developed data into pandas tables so that the data is much easier to use for and Statsmodels implementation for machine learning.
- Implemented LLC model through LangChain, implemented sentiment analysis to give an in-depth response on how good the players are, time series analysis weighing players' current trajectory, and StreamLit to achieve front-end design.

P1 Data Pirates - Movie Review Website **December 2021- March 2022**

- Utilizing Spring Boot Java, the project centered on the IMDB movie API to show all movie ratings for movies that were currently out
- Constructed a CRUD database to facilitate the storage of users' preferred anime shows and leveraged Raspberry Pi to host the website.
- Additionally, the project featured an innovative Google search bar integration on our website, enabling users to locate specific web pages within our platform effortlessly.

Team Equation Malware Dection - Google Developer Student Club **January 2024- April 2024**

- Created an application in which users can upload files and the program can detect the specific malware within the file
- Operated in Linux and Windows Virtual Machines to understand the behavior of different malware and collect log files
- Examined Logfiles and red shots of specific malware through exploratory data analysis to find features that pertain to specific malware

SKILLS

Languages: Python, HTML, JavaScript, CSS, C++, C, Java
Frameworks: Pandas, BeautifulSoup, SciKit-Learn, Playwright, Langchain, Spring Boot Java, PyGame, Discord.py, API's, CRUD Databases
Developer Tools: Raspberry Pi, Cisco Networking (NETACAD), Linux, Windows, Adobe, Github, Canva