SUBHI KATABI

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Highly motivated individual seeking to obtain a position where I can utilize my knowledge and skill set with the potential for growth and advancement. Excellent interpersonal, teamwork, verbal and written communication skills with strong attention to detail. Able to adapt to situations, work under pressure, take charge and good with time management.

SKILLS

Python / C / C++ / C# / Java / SQL / NoSQL / JavaScript / HTML / CSS / React Native / UI/UX / Django / Linux / Unix / Git / Algorithm Design/Analysis / OOP / Functional Programming / Microsoft Office / Effective Communication / Technical Writing

WORK EXPERIENCE

Engineering Intern, **Spectrum,** El Segundo, CA   06/2019-08/2019
- Worked alongside a group of supervisors and mentors to design, develop, and deploy two projects that automate different tasks and improve efficiency within Spectrum's west region.
- Projects that were developed during this internship include an automation system for call deflection within Spectrum's west region and form reviewal software for all engineering documents and requests in a certain state.

Development Committee Commissioner, **Irvine Valley College Associated Student Government,** Irvine, CA   08/2016-05/2017
- Constructed and coordinated social events, trainings, and retreats alongside a committee of eleven members to best increase workflow of a 200-person organization.
- Individual roles included brainstorming ideas, communicating with other organizations to help coordinate events, and developing a strategic plan for best allocation of a $20,000 budget across multiple events.

Budget & Finance Committee Commissioner, **Irvine Valley College Associated Student Government,** Irvine, CA 08/2015-05/2016
- Was responsible for the allocation and monitoring of the ASIVC funds alongside a committee of eleven members.
- Together we coordinated and conducted over forty site visits with various departments and clubs across Irvine Valley College to determine the best options for allocating a budget of over $100,000.

PROJECTS

MYDAY, APPLICATION RESEARCHER, DEVELOPER
- Application that identifies a person's current mental state and helps them achieve a positive emotional state by improving their lifestyle with daily food recommendations.
- I was tasked with implementing various features including a survey that measures the user's emotional state, a component that identifies the local weather and determines its impact on the user, an evaluation system to calculate the user's health state, and overall database optimization.
- Frontend is created using React Native and backend utilizes Node.js alongside a database developed using Firebase.

CALL DEFLECTION AUTOMATION, LEAD DESIGNER, DEVELOPER
- Web application that incorporates a simple-to-use user interface with a fully automated backend to speed up a technician's request for call deflection.
- My role was identifying areas of inefficiencies within Spectrum's call deflection process and designing/developing a solution that is feasible for all users.
- UI is developed using SharePoint Client and Selenium is used to automate tasks. Coded in C# using OOP.

OTHELLO AI | LEAD DESIGNER, DEVELOPER
- An AI capable of choosing moves in an Othello game by using a recursive, search-based algorithm.
- This AI utilizes the minimax algorithm along with alpha-beta pruning to efficiently determine the best possible move during its turn. An effective evaluation function is also utilized to analyze the quality of each board. configuration when determining which move to make.
- This project is coded entirely in C++ and utilizes OOP to improve overall effectiveness.

EDUCATION

Bachelor of Science, Computer Science, University of California, Irvine: Expected March 2020 GPA: 3.60
Bachelor of Science, Computer Science, Irvine Valley College GPA: 3.93

COURSEWORK

Python Programming, C Programming, Java Programming, C++ Programming, Data Structures Implementation and Analysis, Software Testing and Quality Assurance, Computer Networks, Principles of Operating Systems, Embedded Software, Design and Analysis of Algorithms, Artificial Intelligence, Machine/Data Mining.

LINKS

https://github.com/mkatabi
https://mkatabi.github.io/
https://www.linkedin.com/in/subhikatabi/