SUBHI KATABI

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EXPERIENCE

Software Engineer (Intern) – **Spectrum**, El Segundo, California   (Jun 2019 – Aug 2019)
- Developed an automation system using Selenium and SharePoint that improves efficiency of call deflection requests within Spectrum's West Region. Percentage of call deflection requests being processed improved from 89% to 100% after system was implemented and each request was processed almost instantaneously.
- Created a form reviewal program that automatically analyzes each document submitted into Spectrum's engineering web application and verifies all required information is provided by engineer. Process of reviewing documents within the West region improved from hours to milliseconds after program was put into effect.

Development Commissioner – **Irvine Valley College**, Irvine, California   (Aug 2016 – May 2017)
- Coordinated social events, trainings, and retreats to increase workflow of 200-person organization.
- Communicated with other organizations to coordinate events and develop a strategic plan for best allocation of $20,000 budget across multiple events.

Budget & Finance Commissioner – **Irvine Valley College**, Irvine California   (Aug 2015 – May 2016)
- Was responsible for the allocation and monitoring of the ASIVC funds.
- Conducted over forty site visits with various departments across Irvine Valley College to determine the best options for allocating a budget of over $100,000.

EDUCATION
- B.S. in Computer Science, **University of California – Irvine** (GPA: 3.60)   (Sep 2017 – Mar 2020)

TECHNICAL PROJECTS
- **MyDay** (Application that identifies user's current mental state and assists in achieving positive emotional state)
  - Implemented a survey that measures user's emotional state, component that identifies local weather and determines impact on user, an evaluation system to calculate user's health state, and database optimization.
  - Frontend is created using ReactJS and backend utilizes NodeJS alongside a database developed using Firebase.
- **Call Deflection Automation** (Web application that automates technician's request for call deflection)
  - Improved call deflection rate within Spectrum's west region from 89% to 100%.
  - UI is developed using SharePoint Client and Selenium is used to automate tasks. Coded in C# using OOP.
- **Othello AI** (Gaming agent that picks optimal move during game of Othello using recursive search algorithm)
  - Utilizes the minimax algorithm along with AB pruning to determine optimal move during its turn. An effective evaluation function is used to analyze the quality of each board configuration.
  - Coded in C++ and utilizes OOP to improve overall effectiveness.

CO-CURRICULAR ACTIVITES
- Enthusiast in participating in Hackathons: **HackUCI** (Jan 2018) & **HackSC** (Feb 2019) organized by UCI and USC.
- Active member of **UCI Men's Club Basketball** and **AI@UCI**

TECHNICAL SKILLS
- **Programming Skills:**   Python, Java, SQL, C, C++, C#, NoSQL, HTML, CSS, JavaScript
- **Database:**   MySQL, MongoDB, Firebase, SQLite
- **Operating Systems:**   Linux, Windows, MacOS
- **Cloud Platforms:**   Amazon Web Services (AWS)
- **Tools/Frameworks:**   Django, React Native, Selenium, Git
- **Software Concepts:**   Agile, Scrum, Sprint