VIREN KHANDAL

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PROFESSIONAL SUMMARY

Detail-oriented **Student** proficient in collecting, compiling, and interpreting data and code. Hardworking and efficient individual skillful at developing multi-platform applications. In-depth knowledge of machine learning and software engineering operations.

SKILLS

- **Programming Languages:** Python, Java, C, MATLAB, R, SQL, JavaScript
- **Technologies:** AWS, Azure, GCP, Git, IBM Watson, PyTorch, OpenCV, TensorFlow
- **Industry Knowledge:** Data Mining/ Analysis, Machine Learning, Software Development, Research
- **Interpersonal Skills:** Public Speaking, Teamwork, Communication

EDUCATION

University of California, Berkeley
Graduation: 05/2022

Bachelor of Arts:
Computer Science
Bachelor of Arts: Applied Mathematics (Data Science Specialization)

Stanford University
2018-2019
Summer College:
Mathematics and Computer Science

EXPERIENCE

Undergraduate Student Researcher - CoolClimate Network

Berkeley, CA · 01/2020 - Current

- Used **R** and **Python** to perform qualitative and quantitative analysis of US Census Tract data.
- Designed and developed analytical map deliverables for San Francisco County (published in CBEI report on eScholarship)
- Collaborated with 40+ academic colleagues on areas of shared research interest such as Machine Learning and Artificial Intelligence.

Senior Mentor - Computer Science Mentors

Berkeley, CA · 01/2020 - Current

- Lead weekly tutoring session to teach students about concepts revolving around linear algebra, circuit analysis, and machine learning
- Present conceptual topics, such as Eigen-Analysis and Op-Amp Review, in monthly review sessions to 150+ students
- Conduct weekly meetings to help mentors become better mentors and be more comfortable with teaching

Backend Developer - WhatElse.io

Berkeley, CA · 09/2019 - 02/2020

- Planned and engineered RESTful web services to manipulate dynamic datasets.
- Used Flask and Jinja to design and develop Python-based application an interactive dashboard
- Pitched start-up to 100+ VC firms and 200+ investors at official Berkeley SkyDeck Demo Day

Software Engineering Intern - Open Networking Foundation

Palo Alto, CA · 06/2018 - 12/2019

- Development work to enhance UI for key Internet Service Providers
- Helped application engineers generate automation software based on Python, Git and other frameworks.
- Designed and developed training documents, including details about unit testing, GUI usage, etc.