

RAUNAK ANAND

SOFTWARE DEVELOPER

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EDUCATION

UNIVERSITY OF CALIFORNIA, DAVIS
Bachelors of Science, Computer Science

Davis, CA
Graduating June 2022

Relevant coursework: Object-Oriented Programming in C++, Data Structures, NLP, Artificial Intelligence, Algorithm Design & Analysis, Machine-dependent Programming, Analysis of Variance and Regression, Theory of Computation, Abstract Mathematics, Probability Theory, Computer Architecture, Web Programming

SKILLS

- **Programming:** Python, C++, C, SQL, Ruby on Rails, Assembly, R, Jupyter, Kotlin, MATLAB, Solidity
- **Web Development:** HTML, CSS, JavaScript, ReactJS, Bootstrap
- **Software:** Sublime Text, Git, Visual Studio, Android Studio, Figma, ELK stack, Docker

EXPERIENCE

MASTERCLASS
Software Engineer, Back End Intern

San Francisco, CA
June 2021 - Present

- Implemented a bulk admin user service on the back end panel that would exponentially speed up the hiring process.

#INCLUDE AT DAVIS
Director of Technology

Davis, CA
March 2021 - Present

- Lead pro bono projects where 60+ members worked to build web applications for local non-profit organizations.
- Increased velocity of deployments by 100% and reduced their error rate by 21%.
- Implemented Agile methodology to reduce delivery timeline by 19%.

WOMEN IN DATA AT UC DAVIS
Technical Workshops Lead

Davis, CA
January 2021 - Present

- Developed and introduced a machine-learning algorithm to detect Alzheimer's disease based on a Kaggle dataset.
- Conducted a series of Python and Jupyter tutorial workshops while discussing relevant usages in data science.
- Increased total club membership by 85% and the induction of members into technological careers by 25%.

SACHACKS
Lead Web Developer

Davis, CA
November 2020 - Present

- Implemented Google Analytics and increased hackathon participation by 45% through UI/UX improvement.
- Developed the ReactJS website to organize the Lovelace hackathon dedicated to representing women and other underrepresented communities in the field of technology.
- Migrated organization legacy code to newer frameworks to inculcate team advancement.

BHARTI AIRTEL - WYNK LIMITED
Software Engineering Intern

Delhi, India
July 2019 - August 2019

- Developed hardware that allowed multiple website streaming, increasing the time-shift television market by 89%.
- Implemented near real-time responsive voice recognition and universal music search on Airtel TV hardware.
- Built a chatbot to create a direct channel for customer service which improved the adoption rate by 17%.

PROJECTS

FOREST FIRE PREDICTOR 🏠

- Created a Python machine-learning algorithm that predicted the area covered by a forest fire

SUDOKU SOLVER 🏠

- Created a PyGame app to visualize how the backtracking algorithm works to solve a Sudoku puzzle.

A* ALGORITHM PATHFINDING VISUALIZER 🏠

- Programmed a PyGame app to visualize how the A* Algorithm finds a path between two points.

COVID-GURU TWILIO APP 🏠

- Developed a web app using a Twilio SMS API and Javascript to provide real-time COVID statistics based on your location, along with self-diagnosis abilities, without the need for access to the internet.