ANSHUL JAGTAP

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EDUCATION

University of California, Santa Cruz **September 2022 - June 2026**

Bachelor of Science, Computer Science

Technology and Information Management Minor *Cumulative GPA: 3.82 (Dean's Honors List recipient)*

Relevant coursework: *Object-Oriented Programming, Data Structures and Algorithms, Python,Computer systems, Assembly language, C/C++, Vector Calculus, Calculus, Discrete Mathematics, Applied Mathematics, Computer Architecture.*

EXPERIENCE

Baskin Engineering **Sanz Cruz, CA**

Undergraduate Researcher **January 2024 - Present**

- *Determining the effectiveness of using propeller sensor data for sensing turbulence.*
- *Using Raspberry Pi and pixhawk to develop an autonomous quad copter to measure how external factors affect the drone .*
- *Building hardware, performing experiments, programming (Matlab, physical models), and data analysis.*

Digital Convergence Technologies **Pune, MH**

Trainee | Summer Internship **August 2023 - September 2023**

- *Worked with Linux command line to execute basic and complex commands through the terminal to manage files and user settings. Installed different operating systems.*
- *Studied CPU architecture in depth to learn about embedded systems software. Learned how data is stored in server rooms (On-Premise storage) and how it interacts with software in general and the cloud.*
- *Gained basic understanding of cloud computing and AWS (model/framework).*

Opulence Money **Pune, MH**

Analyst | Summer Internship **June 2021-August 2021**

- *Managed Stocks, analyzed stock market with respect to technical and fundamental analysis, monitored stock related market trends and movements in the sensex.*
- *Executed short term trades, portfolio management and invested in mutual funds.*
- *Enhanced my professional speaking abilities and presentation skill with clients.*

PROJECTS

Real-Time ASL Gesture Detection:

- *Developed a real-time ASL gesture recognition system using TensorFlow, Google Teachable Machine, and OpenCV.*
- *Custom-trained a deep learning model to accurately classify a range of ASL signs using machine learning.*
- *Applied computer vision techniques to track and analyze live hand movements, enhanced accessibility by displaying real-time ASL sign interpretations on a video feed, benefiting individuals with hearing impairments.*

TECHNICAL SKILLS

- **Languages:** Python, Java, C/C++, Assembly language(RISC-V), bash/shell scripting, Matlab, React Native.
- **Technologies:** IDEs, Github, Linux command line , Microsoft Windows, mac OS, Microsoft Office, Filemaker pro, Adobe Acrobat pro.