

Aayush Kumar

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Education

San Jose State University

San Jose, CA

Bachelor of Science, Computer Science. Dean's Scholar

August 2022 – June 2026

Relevant Coursework: **Data Structures and Algorithms**, Algorithm Design and Analysis, Discrete Math, Calculus 3, Programming Paradigms, Information Security, Computer Graphics, Computer Architecture, Big Data Analysis

Homestead High School

Cupertino, CA

GPA: 4.2 weighted. SVCE Clean Energy Bike Award (\$2500). Robotics Club **Computer Vision Lead**

August 2018 – June 2022

Experience

Ayurhitam

Fremont, CA

Front Operations Manager

Oct 2024 – current

- Developed **automation systems** to streamline scheduling, billing, and communication, cutting manual tasks by **43%**
- Integrated and customized the **Practice Better API** to synchronize client records, plans, and data across platforms
- Built **data tracking tools** and **workflow scripts** to monitor operational metrics and enhance decision-making efficiency

Movado Group

San Jose, CA

Sales Associate

Sept 2024 – Oct 2024

- Generated **\$35,000+** in sales over 4 months, averaging \$8,750/month and \$177/hour
- Exceeded sales targets through **upselling and cross-selling** strategies

Private Tutor

San Jose, CA

Self-Employed

Jan 2024 – Aug 2024

- Applied **data-driven strategies** to track progress, adapt methods, and optimize performance outcomes
- Managed **outreach to 200+** parents, leveraging organization and analytical tools to maintain consistent scheduling and client growth

Jersey Mike's

San Jose, CA

Assistant Manager

Jan 2023 – Dec 2023

- Supervised **8 employees** and managed **\$260,000–\$390,000** in annual cash sales with accurate reconciliation
- Trained staff on service, safety, and operations, consistently meeting performance targets

SJSU: Project Engineering Success

San Jose, CA

AI/ML Intern in 5G/6G Networks

Dec 2022 – May 2023

- Developed and implemented **AI/ML algorithms** to enhance the performance and efficiency of 5G and 6G networks
- Conducted data analysis and model training, achieving **18% improvements** in network latency and output
- Presented findings to senior management, demonstrating the potential of AI/ML in next-generation networks

Technical Projects

Ramsey Problem in C: Computational Math Intern

May 2024 – Sept 2025

- Utilized **computational methods** in SAT and TaSSAT to advance understandings of the Ramsey number problem
- Collaborated with faculty (Dr. Richard Low) to **optimize algorithm performance** by **2.4%**

3D Aim Trainer using Unity

Oct 2025 – Dec 2025

- Built a **3D aim training simulator** in **Unity** using **C#**, featuring hit detection, scoring, and adaptive target behavior.
- Designed interactive **3D environments** and **UI elements** to create an engaging, responsive gameplay experience.

Certificates

Deloitte: Data Analytics Job Simulation

May 23rd, 2025

- Completed practical tasks in **Data Analysis** and Forensic technology, implementing **Tableau, MySQL, and CLI**

BCG X: GenAI Financial Analytics Job Simulation

December 28, 2025

- Generative AI **chatbot** for Financial Analytics and **Data Extraction** from 10-K and 10-Q reports using **Python** and **Jupyter**

British Airways: Data Visualization Job Simulation

January 3rd, 2026

- Scraped, analyzed, and trained scikit-learn's **machine learning models** to predict buying behaviour with **~80% accuracy**

Tata: Data Science Job Simulation

January 3rd, 2026

- Created **multi-variable visualizations** with **Tableau** and **PowerBI** for large datasets, filters, and calculations for C-suite.

Skills

Technical: Java (fluent), Python (fluent), MySQL, C, C#, C++, CLI, Public Speaking, CRM, Data Modeling, Unity, 3D Modeling, Sales, TensorFlow, Tutoring, Management, Technical Writing, Data Extraction

Language: Hindi (fluent), Spanish (medium)