

# AGAMJOT SINGH

☎ 408-618-4232

✉ [agamjot.singh@sjsu.edu](mailto:agamjot.singh@sjsu.edu)

🌐 [linkedin.com/in/agamjotsingh05](https://www.linkedin.com/in/agamjotsingh05)

## Education

### San Jose State University

*Bachelor of Science in Computer Science*

May 2027

GPA: 3.9/4.0

**Clubs:** Association for Computing Machinery (ACM), Software and Computer Engineering (SCE)

**Relevant Coursework:** Data Structures & Algorithms, Computer Systems, DBMS, Applied Artificial Intelligence, Linear Algebra, Programming Paradigms, Object Oriented Programming

## Experience

### Hugging Face

Jul 2025 – Sep 2025

*Open-Source Contributor*

*Milpitas, CA*

- Engineered a GPU-accelerated image processor for ImageGPT in **PyTorch**, achieving **20.1×** average CUDA speedup and **1.5×** CPU speedup, reducing training and inference times.
- Optimized color quantization with PyTorch tensor ops, significantly accelerating image tokenization workflows.
- Merged into Hugging Face's OOP framework, contributing to a library with **100M+** monthly downloads

### Microsoft Playwright

Feb 2025 – June 2025

*Open-Source Contributor*

*San Jose, CA*

- Merged a new HTML report feature into Microsoft Playwright, enhancing test reporting for **10,000+** companies
- Implemented configurable snippet controls in Playwright's reports, enabling developers to hide sensitive code and share clean reports with non-technical stakeholders.
- Refactored components with **React**, improving rendering performance and readability across enterprise test suites

### SafeInbox

Feb 2024 – May 2024

*Software Engineer*

*San Jose, CA*

- Developed phishing-detection models with **96%** email and **95%** URL accuracy Logistic Regression and XGBoost.
- Developed a **Flask API** integrating email, URL, and domain abuse detectors for real-time phishing scans.
- Integrated the API into a Gmail Chrome extension, delivering instant security checks for end users.

### ACM @ SJSU

Oct 2023 – Apr 2024

*Software Engineer*

*San Jose, CA*

- Contributed to the first creation of the SJSU ACM website, employing **Next.js**
- Earned role as one of the Devteam's 16 essential officers out of **250+ applicants**.
- Orchestrating the project as the appointed Project Manager, overseeing a team of individuals, and assigning roles and responsibilities to ensure execution of the ACM SJSU's website development.

## Projects

**Foresight SfHacks** | [DevPost](#) | *Gemini, MongoDB, NextJS, OpenCV, YoloV11*

- Platform that detects missing children in real-time using YOLOv11, Google Gemini, using live CCTV streams.
- Enables real-time scanning of live CCTV footage against a national Amber Alert database to surface potential matches.

**ScammerJammer CalHacks 11.0** | [DevPost](#) | *Hume API, NextJS, Tailwind, Vercel*

- Created an anti-scam platform to waste scammers' time through frustrating automated calls.
- Integrated **Hume.ai's** API to analyze scammers' anger levels in real-time, providing quantitative data on the platform's effectiveness in frustrating malicious callers.

## Leadership / Extracurricular

### SJHacks Lead

Nov 2023 – May 2025

*San Jose State University*

*San Jose, CA*

- Successfully hosted **SJSU's first university-wide hackathon**, attracting 150+ participants.
- Raised over **\$3,000 in sponsorships** through outreach and partnerships with tech companies and local organizations.
- Created the official hackathon website using **Next.js** and **TailwindCSS**, which served as the main hub for all attendees.

## Technical Skills

**Languages:** Java, Python, JavaScript, Php, SQL, TypeScript, HTML/CSS

**Frameworks:** React, Next.js, Flask, OpenCV, Tailwind

**Tools:** VS Code, Git, IntelliJ, Eclipse, Github

**Concepts:** Frontend, Backend, Fullstack, Software Engineering, Machine Learning, Computer Vision, Agile Methodologies