

# Dhananjay Khulbe

408-549-4328 | [dkhulbe115@gmail.com](mailto:dkhulbe115@gmail.com) | [github.com/DhananjayKhulbe](https://github.com/DhananjayKhulbe) | [linkedin.com/in/dhananjaykhulbe](https://linkedin.com/in/dhananjaykhulbe)

## EDUCATION

### Lynbrook High School

San Jose, CA

GPA: 3.947/4.0

Aug. 2023 – June 2027

- **Current Course Work:** Ap Comp Sci A, Ap Calc BC, Chem H, World History, Spanish 3, World Literature
- **Independent Study:** Ap Physics 1, Ap Psychology, Ap Environmental Science
- **Student Organization:** Lynbrook Robotics Club, Computer Science Club, Math Club

## EXPERIENCE

### Software & Control Lead

May 2025 – Present

FRC Team 846 - The Funky Monkeys

Lynbrook High School, CA

- Writing modular robot code and visual odometry for the 2025 FRC Season
- Using languages such as C++, Python, and Java to aid in robot vision, dynamic calculations, and architecture performance improvements, helping build times decrease by 90%
- Experience with PID controllers, robot control systems (WPILIB), and sensor integration
- Will be teaching workshops to future software members
- Working closely with 30+ members of our FRC team as a key part of software

### Software Engineer Intern

Jan. 2025 – Present

OMNI RPA INC

San Jose, CA

- Using Python and GO to develop scripts for efficient data handling for over 600 cloud services
- Working with graph databases like Nebula for data-mapping
- Developing code for agentic bots that work with graph databases
- Experience with AWS, Azure, and GCP cloud services

### School Tutoring App Developer

Dec 2024 – Present

Lynbrook High School

San Jose, CA

- Working with school admin's and tech team to developed an app to streamline school based tutoring for over 90 tutors, 200 students, and 70 teachers
- Using Flutter, Google Cloud Services, AWS, and Git to develop the front-end and data management
- Implementing a Multi-Criteria decision algorithm to aid with selection processes
- Using AWS Services such as AWS DynamoDB and Lambda for data storage and requests

## PROJECTS

### Anti-Tipping Code | C++, Git

Jan. 2024 – Feb. 2025

- Developed a C++ program to dynamically adjust max-acceleration for a robot to prevent it from tipping over
- Accounting for several factors such as the inclusion of lifts such as an elevator or telescope
- Prevented tipping for all matches throughout the 2025 FRC Season

### Scouting App | JavaScript, HTML/CSS, Python, Git

Dec 2024 – March 2024

- Co-developed an app to track FRC game data during matches for alliance selections
- Developed and maintained modular code to ensure scalability and ease of future updates
- Automated alliance details to decide match specifics for efficient game play

### ASL Translator | Python, Pandas, Git

May 2024 – Present

- Co-developing a basic web-call platform for real time ASL translation
- Implemented gesture recognition using video capture and machine learning

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, Go, Dart, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Flutter

**Developer Tools:** Git, Google Cloud Platform, Visual Studio Code, Docker

**Other:** LaTeX