

Mukund Maini

(832) 523-8790 | mukund.maini@gmail.com | Austin, TX | mukundmaini.com | linkedin.com/in/mukund-maini

EDUCATION

The University of Texas at Austin, Austin, TX
Bachelor of Science, Computer Science

May 2028

TECHNICAL SKILLS

Advanced Java, Python, JavaScript; **Intermediate** Node.js, HTML/CSS, Machine Learning, Computer Vision, Prompt Engineering, Git/GitHub, Django, Flask; **Beginner** SQL, Angular

EXPERIENCE

Intellect.ai

June 2023 - Present

Software Engineering & AI Intern

- Built feature to auto-generate use cases and KPI's for clients with near-perfect accuracy using the OpenAI API with Python
- Integrating auto-generating feature into product pipeline through full stack development with Angular & Azure
- Assimilated into the CI/CD pipeline to collaborate with team leads, gaining mastery of Git/GitHub & Scrum workflow
- Utilized Python & Delta Lake to develop proof-of-concept project implementing Google Alerts for customer insights

Texas Convergent

September 2024 - Present

Tech, AI Case

- Building a real-time fact checking app from scratch through full-stack development with Gen AI
- Collaborating with Design, Product, and other Tech members in interdisciplinary technical teams

Seven Lakes High School FIRST Robotics Team

August 2020 - May 2024

Pit Crew; Electrical and Programming Departments

- Guided engineering-design process by encouraging ideation, synthesizing designs, & directing prototyping + testing process
- Competed in the FIRST World Championship
- One of the few authorized to perform maintenance, repairs, and additions to the robot during competition
- Routinely trained & mentored new team members in the electrical department and safety

Seven Lakes High School Computer Science Data Structures Class

August 2022 - May 2023

Project Lead

- Led team of 3 other students in building digital implementations of board games like Azule and Kingdom Builder in Java

Seven Lakes High School FIRST Robotics Team Java & STEM Summer Camps

June 2021, 2022, 2023

Volunteer Instructor

- Taught basic programming concepts to middle schoolers using Java (loops, methods, Object Oriented Programming)
- Conducted experiments including Rube Goldberg machines, bottle rockets, and lava lamps while instructing STEM topics

PROJECTS

Computer Vision AI for Autonomous Vehicle Applications

June - August 2023

- Developed project to implement object detection/classification on videos of roads to help self-driving cars "see" in Python using YOLO and OpenCV
- Integrated webcam functionality for real-time object detection with over 90% accuracy

Digital Re-creations of Board Games

August 2021 - May 2022

- Built fully functioning digital implementations of board games such as Love Letter and Azul using Java

LEADERSHIP & COMMUNITY INVOLVEMENT

CS Roadshow

September 2024 - Present

- Volunteer instructor teaching elementary, middle, and high schoolers about computer science and programming concepts

Seven Lakes High School Orchestra Leadership Team

May 2021 - May 2024

President; Lead Crew Manager

- Led leadership team in organizing social events, concerts, and banquets attended by 300+ guests
- Managed librarian, crew, and communications sub-teams & maintained communication within the team
- Ran weekly leadership meetings by creating agendas, disseminating important information, and managing concerns/conflict
- Organized logistics of fine arts performances attended by 500+ parents, students, and teachers

National Honor Society Officer Team

April 2022 - May 2024

Senior Officer

- Planned service projects for members, representing 600+ NHS members on behalf of class
- Presented at NASSP International LEAD Spark Conference on the topic of event planning

HONORS AND AWARDS

Gold Presidential Service Award | Certificate of Academic Achievement in AP Calculus BC | Certificate of Honor in Service | TMEA String Honor Orchestra State Champions (#1 high school string orchestra in the state of Texas)