

# Rohan Vij

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## OBJECTIVE

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Seeking a part-time remote position in data or computer science, to build upon prior internship experience and further develop skills in these fields. A strong analytical learner with experience at developer conferences. Looking to contribute to the success of my team in any way, and gain practical experience in a real-world industry setting.

## SKILLS

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**Programming Languages:** Python, JavaScript/Typescript, Java, HTML/CSS

**Libraries/Frameworks:** TensorFlow/Keras, Pandas, NumPy, Matplotlib, Flask, FastAPI, React.js, Express.js

**Tools:** Docker, Git, AWS, DigitalOcean, MongoDB, GitHub Actions

## EXPERIENCE

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### Shiporium

*Founder, Engineer, and Architect*

*June 2022 - Current*

- Create an online platform using crowdsourced USPS tracking numbers to provide estimated information on how long international packages take to ship.
- Attended the [2023 AI Conference](#) in San Francisco to present the product and receive advice regarding the growth of the application.
- Using React.js; Express.js; MongoDB; DigitalOcean;

### Towards Data Science @ Medium

*Content Writer*

*June 2022 - Current*

- Collaborate with publication editors.
- Conduct in-depth research on data science topics.
- Develop programs in Matplotlib to graphically represent statistical concepts.

### Aviato

*Web Development Intern*

*June 2022 - January 2023*

- Program frontend screens using React.js based on Figma prototypes and design guidelines.
- Refactor large codebases and use Continuous Integration with linting to maintain code quality.
- Conduct dynamic integration processes to connect the frontend to an AWS API Gateway backend and custom AWS Lambda functions.

### System Overload Robotics - Livermore

*Robotic System Programmer*

*June 2022 - July 2023*

- Programmed the shooter and drivetrain subsystems of the robot.
- Used mathematical tool Desmos to determine velocity vs trajectory calculations.
- Created structural plates for the robot using a CNC machine.

### Python Peer Group

*Founder and Learning Coordinator*

*March 2020 - July 2020*

- Led a group of 16+ students during COVID to conference about our Python journey
- Taught workshops about various Python concepts and packages.
- Maintained consistent office hours to help others with programming issues.

## EDUCATION

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### Dublin High School

*Grade: 11*

**Dublin, CA**

*Expected June 2025*

- **4.4/4.0 weighted GPA. | 4.0/4.0 unweighted GPA.**
- **Coursework:** AP Computer Science Principles/Applications, Honors Principles of Engineering
- **Activities & Societies:** President of Environmental Technology Club, Board Member of AI Club

## CERTIFICATIONS

### AWS Certified Cloud Practitioner

Amazon Web Services Training and Certification

November 2022

<https://www.credly.com/badges/7420aaeb-3000-4123-8fb2-f703ef75e2ac/>

### IT Specialist - Python

Certiport - A Pearson VUE Business

May 2022

<https://www.credly.com/badges/cc11f38a-fbf8-43cc-b668-28e4b393fdcb/>

### Certified Associate in Python Programming

OpenEDG Python Institute

December 2020

<https://verify.openedg.org/?id=mUXG.i33S.Jn94>

## PROJECTS

### Politica AI

Congressional App Challenge

August 2020

<https://www.politica-ai.tech/>

- Developed a Chrome Extension/web application that uses a fine-tuned GPT model to identify points of bias in articles, provide a historical reliability rating of the source, summarize the article, and provide similar articles that provide different perspectives.
- Developed the backend API, unit tests, and LLM integration of the application.
- Placed 2nd in Congressional District (CA10 - 750k population)

### PapyrAI

HackSharks

August 2020

<https://devpost.com/software/papyr-ai>

- Developed a newsletter of research papers that summarizes their content and novel uses GPT as a recommendation algorithm to send more user-specific content.
- Developed the LLM/GPT integration, SMTP networking, web backend, and hosting on DigitalOcean.
- Top 10 finalist out of 470+ participants.

### Loconomic Fulcrum

Bay Area Hacks

August 2020

<https://devpost.com/software/lgmp>

- Developed an online marketplace and job board connecting farmers, consumers, the unemployed, and students to alleviate food wastage and job issues caused by COVID-19.
- Developed the full-stack integration and hosting, user management system, and food marketplace.
- Placed 1st out of 400 participants.

### CreditKonnnect

UniGlobe Hacks

August 2020

<https://devpost.com/software/fast-approval>

- Developed a platform for rapid loan risk profiling to prioritize small businesses that need financial assets the most.
- Programmed the user authentication system, risk profiling questions, and the loan results screen.
- Placed top 3 out of 200+ participants.

### DreamVestor

FinTech Nations Hackathon

August 2020

<https://devpost.com/software/dreamvestor>

- Developed an application to help students obtain college loans through the crowdsourcing of educational funds.
- Programmed the student module and database management.

### Sportal

PeddieHacks

August 2022

<https://devpost.com/software/sportal>

- Developed a platform to assist people in creating recreational sporting events to encourage outdoor activity after a hiatus due to COVID-19.
- Programmed the back-end API of the project with Continuous Integration to ensure code quality and dynamically integrated the front end of the project.

### AgriScan

Los Altos Hacks

April 2023

<https://devpost.com/software/agriscan>

- Developed a platform for agricultural workers to identify crop disease and associated it with geospatial data to identify areas of increased disease.
- Programmed the website functionality, MongoDB database integration, machine learning integration, and Twilio texting component.