TEJAS HEGDE

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Skills

- Python (PyTorch, NumPy, Pandas) | C++ | C | Java | JavaScript (React) | HTML | CSS | Git | SQL (MySQL)
- Deep Learning | Machine Learning | Algorithms | Data Structures | Program Development | Database Management Systems

Experience

Software Engineer, Intern — **Roble Ventures** — *Los Altos, CA, USA* — **05/2023 - 07/2023**

- **Built a JavaScript app** that ranks potential investors based on how likely they are to invest in the fund.
- The app scrapes Pitchbook for potential investors' information using Selenium and Beautiful Soup. It then scrapes the LinkedIn profiles of each investing entity's team members for information such as education and job experience. The LinkedIn profiles are compared to the Roble Ventures' team's LinkedIn profiles for commonalities and mutual connections. Finally, **each investor is assigned a score based on those criteria and ranked in a React table**.
- **The Roble Ventures team were enabled to connect with the entities most likely to invest in them**.

Software Engineer, Intern — **Upahara** — *San Jose, CA, USA* — **08/2022 - 12/2023**

- **Built a software pipeline** to parse data from XML files and export them to a MySQL database. Used PHP to display the data from the database on a website.
- **Designed the startup's website** using HTML and CSS.
- **Designed the pitch deck** for the start-up

Education

Bachelor of Science — **Harvey Mudd College** — *Claremont, CA, USA* — **Graduating 05/2025**

- **Major in Computer Science**, minor in Economics — **GPA: 3.38**

Projects

- **Generative Adversarial Network:** Built a Generative Adversarial Network (GAN) using PyTorch that generates images of handwritten digits. Trained the GAN on the MNIST dataset. Used Binary Cross Entropy loss to evaluate the generator and discriminator models. The GAN generated realistic images of handwritten digits. **(04/2024 - 05/2024)**
- **NBA MVP Predictor:** Created a tutorial that teaches users how to scrape the web for data and to build a neural network model to make predictions about the data. Specifically, the tutorial scrapes the website basketball-reference for NBA stats. It then processes the stats, and creates a neural network model to predict the winner of the Most Valuable Player award. **(03/2024 - 05/2024)**
- **Google Chrome Extension for Gradescope:** Created a free Google Chrome extension to work as a grade calculator on the college course administration website Gradescope. Used Javascript and CSS to design the extension. The extension takes in the category of the submission the user wants to calculate their grade for, the weightage of that category on their overall grade, and the number of assignment drops users are allowed. The extension parses the website's HTML to find the relevant information, and outputs the user's final grade. **(06/2021 - 07/2021)**

Honors

- **Dean's List Fall 2020**