

AARSH MEHTA

aarsh@bu.edu | (857) 376-9280 | linkedin.com/in/aarsh-mehta | github.com/aarsh-mehta

EDUCATION

Boston University

Bachelor of Arts, Computer Science
Minor in Business and Administration

Boston, MA

Sep 2021 - May 2025
GPA 3.39

SKILLS

Programming Languages: Python, Java, JavaScript, C, C++, Assembly

Frontend Technologies: ReactJS, Bootstrap, HTML, Tailwind CSS, Flutter, Figma

Backend Technologies: Django, REST APIs, Celery, MySQL, MongoDB

Other Tools, Libraries & Workflows:

Git, Jira, Airflow, Metabase, TensorFlow, Keras, PyTorch, Linux, Scrum Agile, Microsoft Office Suite

EXPERIENCE

GrayQuest Education Finance, Mumbai, India

May 2024 - Aug 2024

Software Development Engineer Intern

(Skills: Python, MySQL, Metabase, Airflow, Django, Celery, MongoDB, REST APIs)

- **Automated transaction categorization processes**, reducing manual work by **60%** and saving the team **120+ hours** per month, significantly improving internal operations and allowing for better planning and efficiency.
- Contributed to the development of **REST APIs** for internal dashboards, improving the **user experience** for **50+ key stakeholders**, enhancing access to real-time data.
- Drove the automation of data processing workflows, resulting in a **20% improvement in database performance** and ensuring seamless operational efficiency with minimal downtime.
- Collaborated with 3 cross-functional teams in a fast-paced fintech environment to evaluate and implement **5+ new features**, delivering scalable solutions that met business needs.

PROJECTS

MoveMates

Dec 2023

- Collaborated to create a city-to-city rideshare platform, with a focus on cost saving by matching drivers with empty seats with passengers heading the same way so they can share the cost of the trip
- Integrated Google Places and Distance Matrix APIs for streamlined ride listings and nearby suggestions, coupled with Twilio for robust, real-time user communication.

ViBraille

Oct 2023

- Engineered an innovative system that captures live images, extracts text using OCR, and translates it into Braille for output on a custom-built sensation machine. This solution enhances accessibility for the visually impaired, enabling instant interaction with textual content in their environment.

GreenSight

Aug 2023

- Spearheaded project focusing on the early detection of plant diseases through uploading a leaf's image through an extensively trained neural network model, achieving accuracies as high as 96%
- Innovatively designed, the CNN architecture incorporates layers such as convolutional, MaxPooling, and Dropout, while employing techniques like data augmentation and transfer learning that could better enable early diagnosis and intervention in agricultural practice.

LEADERSHIP AND ACTIVITIES

Boston University's Jains in Voice and Action Society, **President**

Jan 2022 - Present

- Manage an annual budget of \$9700 on behalf of 64 members, guiding and motivating them to facilitate religious learning and foster inter-societal collaboration through interactive events.