

AARSH MEHTA

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EDUCATION

Boston University	Boston, MA
Bachelor of Arts, Computer Science	May 2025
Minor in Business and Administration	GPA 3.38

SKILLS

Programming Languages: Python, Java, C, C++, Assembly
Frontend Technologies: ReactJS, Bootstrap, HTML, Tailwind CSS, JavaScript
Backend Technologies: Django, REST APIs, MySQL, MongoDB
Tools & Software: Git, Jira, Airflow, Metabase, Scrum Agile, Microsoft Office Suite

EXPERIENCE

GrayQuest Education Finance , Mumbai, India	May 2024 - Aug 2024
Software Development Engineer Intern	

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

- **Automated vendor categorization and transaction processes**, reducing manual work by **60%** and saving finance team **120+ hours** per month, improving vendor billing operations.
- Spearheaded to development of **REST APIs** for internal dashboards, restructuring 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 institute-end features**, delivering scalable solutions met business needs.

Shree Ram Krishna Exports , Surat, India	May 2023 - Aug 2023
Software Development Intern	

(Techstack: Python, React, MongoDB, Django)

- Led the design and development of an **internal procurement software application using Python and React** that streamlined the procurement process and **boosted efficiency by 25%**.
- Built a **dynamic inventory management system** that optimizes stock levels and reduces **manual errors by an accuracy of 18%**.
- Spearheaded the **third-party API integration** using JavaScript for seamless vendor integration leading to improved raw material visibility for the procurement team.
- Built an **AI model to predict the quality of diamond cuts** and identify inclusions not visible to the naked eye with **92% accuracy**, increasing value extraction of diamonds by 12%.

PROJECTS

MoveMates	Dec 2023
● Developed a cost-efficient city-to-city rideshare flask app, integrating Google Places, Distance Matrix APIs, and Twilio for real-time communication.	

ViBraille	Oct 2023
● Engineered a handheld device that captures live images, performs OCR, and translates text into Braille with 81% accuracy, enhancing accessibility for visually impaired users.	

GreenSight	Aug 2023
● Developed a neural network for early plant disease detection, achieving 96% accuracy with a CNN architecture leverages data augmentation and transfer learning for improved diagnostics.	

LEADERSHIP AND ACTIVITIES

Boston University's Jains in Voice and Action Society, President	Jan 2022 - Present
● Managed an annual budget of \$30,000 on behalf of 64 members, guiding and motivating them to facilitate religious learning and foster inter-societal collaboration through interactive events.	