MAHIT MEHTA

DEVELOPER & STUDENT

CONTACT

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📍 South Brunswick Township, NJ, USA

SKILLS

- Frameworks (Next.js, Flask, Nest.js)
- Docker
- Linux
- Amazon Web Services (Lambda, EC2, S3, ECR)
- MongoDB & Firestore
- TypeScript, Java, Python, C++, C#, & Rust

EDUCATION

South Brunswick High School

09/2020 - 06/2024

- **4.236** GPA
- **5** on AP Calculus BC, AP Chemistry, & AP Computer Science A exam
- Data Structures, Android Development, Unity / VR Game Development
- Organic Chemistry and Multivariable Calculus & Linear Algerba

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AWARDS

- Bronze PVSA for **103+ volunteer hours** at C4T
- Placed **1st** at SB Hacks Hackathon
- **Top 10** in NFTE's 2020 **international** Unbanked Challenge

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LANGUAGES

English - *Native / Bilingual Proficiency*

Hindi - *Native / Bilingual Proficiency*

Korean - *Elementary Proficiency*

PROFILE

I'm a developer, web architect, and designer based in New Jersey, USA, continuously exploring the realm of computer science. Presently, I'm immersed in the development of a specialized remote desktop application tailored for Linux virtual machines, employing the Rust programming language.

WORK EXPERIENCE

Software Engineer Intern
Dayton, NJ, USA
06/2023 - 08/2023

Bloomberg L.P. - MSE Operability Solutions Team

- Built an internal web application to **configure** which **quality checks** to run on **thousands** of **production servers** simultaneously at Bloomberg's data center to **prevent** certain crashes and **increase uptime.**
- Deployed application in an internal Kubernetes environment.
- Utilized React.js, Vite, Docker, WSL, and Flask (Python).

  Contact: Satish Garimalla (Mentor)
  linkedin.com/in/satishgarimalla/

Founder / Lead Developer
Remote
11/2021 - Present

Genesus iOS Application (mahitm.com/genesus)

- **2400+** users across 2 school districts, **200,000+** notifications **delivered** in 2023, & **140,000+** user sessions in 2023.
- Provides grade notifications, **live** GPA calculations, student schedules, and account details by **directly integrating** with the Genesis Parent Portal
- **1 in 3** students at South Brunswick High School actively use the app

Full Stack JavaScript Developer Intern
Remote
06/2021 - 09/2021

Haul (haulwith.us)

- **Led** ELD (Electronic Logging Device) Integration project in the admin portal to actively show updates of Haul's fleet of **7000+** drivers' location and events graphically in **real-time**
- Used ELD events to accurately keep track of hours worked
- Integrated ELD events with Google Maps to show a real-time map of the drivers' journeys in the admin portal
- Used Redis Bull Queue in Nest.js to query live Haul driver events periodically from ELD providers, and used MongoDB to persist the data
- Built and improved Functional React Components for the Haul Admin Portal and Fleet Portal including the Drivers License Viewer and Driver Profile Page

Website Project Lead (Volunteering)
Remote
03/2022 - Present

Code 4 Tomorrow (code4tomorrow.org)

- Led the development of C4T's new website which uses Next.js
- C4T's website has provided convenient access to highly-developed programming courses to **1000s** of learners from countries such as Kazakhstan, Kenya, the United Kingdom, Malaysia, and India (**98** Countries).
- Implemented ISR (Incremental Static Regeneration) for fast website rebuilds. Due to this, page updates have been reduced to ~**1 second**.
- Configured Redis caching for quick rebuilds. Builds for the entire website (700+ pages) went from 7 minutes to **less than** 2 minutes.
- Integrated Website with Contentful's Headless CMS (Content Management System) and Contentful's GraphQL API for updating information on the website such as available courses, volunteer opportunities, and FAQs without touching any code.