

Hani Mohammed

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EDUCATION

NEW YORK UNIVERSITY

MS in Computer Science

Exp. May 2024 | New York, NY

IIIT SRI CITY

BTech (Hons) in CSE

Grad. June 2021 | AP, India

CGPA: 8.85 / 10

LINKS

Github://thehanimo

LinkedIn://thehanimo

Twitter://thehanimo

OPEN SOURCE

pr-title-checker (Author)

ocr-bot (Author)

react-native-audiokit (Author)

ljharb/repo-report

specter-desktop

COURSEWORK

UNDERGRADUATE

Cloud Computing

Artificial Intelligence

(Teaching Asst)

Database Management Systems

(Teaching Asst)

Machine Learning

Applied Software Engineering

Algorithms

Data Structures

Computer Networks

Unix Tools and Scripting

SKILLS

PROGRAMMING

Over 5000 lines:

Python • JavaScript • C • SQL

Familiar:

TypeScript • Go • NetLogo

Swift • Prolog • Assembly

FRAMEWORKS

Node.js • React • React Native

Django • Electron • TailwindCSS

OTHER

AWS • PostgreSQL • MongoDB

Docker • Git • GitHub Actions

EXPERIENCE

SKILLBEE | Intern + Founding Engineer

Jan 2021 - Aug 2022

- Helped scale up user base 10x YoY to 500k and raise **\$3.2M** in seed funding.
- Led development across two verticals – **Front-end** and **DevOps**.
- Designed and implemented infrastructure and CI/CD pipelines for modularized static webpages using **GitHub Actions, AWS Lambda, SQS, ECS and S3**.
- Decreased page load times across domain, resulting in 10x increase in organic traffic and 2.5x rise in search position on Google.
- Built **internal tools** to interact with data, mitigating team dependencies within the organization and faster customer query resolutions.

MLH | Fellow

Feb 2021 - April 2021

- Part of the Open Source track at the MLH Fellowship. (JavaScript)
- Built **repo-report**, a modular CLI tool to list and report configurations of repositories accessible by a user.
- One in 450 students selected out of 30,000+

NODESTORY | Intern + Contract Developer

Jan 2020 - April 2020

- Used cloud services (AWS) to create a **Video-on-Demand** streaming solution, reducing the product's time-to-market.
- Restructured** codebase resulting in faster development cycles.
- Built a React Native app to help users create immersive digital stories.
- Open sourced** a React Native audio trimming module.

RESEARCH

CO-OPERATIVE AUTONOMY | Researcher

Aug 2019 – June 2021 | IIITS, India

Worked with **Prof. Subu Kandaswamy** to devise co-operative driving strategies for fully autonomous vehicles to improve traffic conditions at freeway bottlenecks.

CLOUD COMPUTING | Researcher

Feb 2020 – May 2020 | IIITS, India

Worked with **Prof. Shridhar Domanal** to study Serverless Cloud Computing (Function-as-a-Service) Platforms and present ways to benchmark them.

PUBLICATIONS

- [1] **H. Mohammed**, V. H. Reddy, and S. Kandaswamy. A decentralized strategy for cooperative driving among autonomous cars at lane closures. In *2020 IEEE 32nd International Conference on Tools with Artificial Intelligence (ICTAI)*, pages 905–910, 2020.

VOLUNTEER WORK

Serve the City | Co-Founder

Est. 2013

Carried out awareness drives, flood relief work and donation programs for the underprivileged. Organized beach clean-ups and set up hydration stalls.