

Hani Mohammed

thehanimo.com

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EDUCATION

NEW YORK UNIVERSITY

MS in Computer Science

Exp. May 2024 | New York, NY
CGPA: 4.0 / 4.0

IIIT SRI CITY

BTech (Hons) in CSE

Grad. June 2021 | AP, India
CGPA: 8.85 / 10

LINKS

Github://thehanimo

LinkedIn://thehanimo

OPEN SOURCE

pr-title-checker (*Author*)

react-native-audiokit (*Author*)

ljharb/repo-report

COURSEWORK

GRADUATE

Design and Analysis of Algorithms

Introduction to Operating Systems

Principles of Database Systems

UNDERGRADUATE

Cloud Computing

Artificial Intelligence

(*Teaching Asst*)

Database Management Systems

(*Teaching Asst*)

Machine Learning

Applied Software Engineering

Algorithms and Data Structures

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.