Hani Mohammed

thehanimo.com

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EDUCATION

NEW YORK UNIVERSITY
M.S. in Computer Science
Exp. May 2024 | New York, NY
GPA: 4.0 / 4.0

IIIT SRI CITY
B.Tech (Hons) in CSE
Grad. June 2021 | AP, India
GPA: 8.85 / 10

LINKS

Github://**thehanimo**
LinkedIn://**thehanimo**

COURSEWORK

GRADUATE
Design and Analysis of Algorithms
Introduction to Operating Systems
Principles of Database Systems
(Teaching Asst)
Big Data
Human Computer Interaction
Software Engineering

UNDERGRADUATE
Cloud Computing
Artificial Intelligence
(Teaching Asst)
Database Management Systems
(Teaching Asst)
Machine Learning
Applied Software Engineering
Algorithms and Data Structures
Computer Networks
Unix Tools and Scripting

SKILLS

PROGRAMMING
Over 5000 lines:
Python • JavaScript • C • SQL

Familiar:
TypeScript • Go • NetLogo

FRAMEWORKS
Node.js • React • React Native
Django • Flask • TailwindCSS
Electron • Hadoop • Spark

OTHER
AWS • PostgreSQL • MongoDB
Docker • Git • GitHub Actions

EXPERIENCE

NYU | Software Engineer
April 2023 - Present
- Set up **Apache** to serve multiple applications on a single instance using reverse proxy, eliminating port numbers in public URLs.
- Designed, architected and implemented a research portal using **Next.js, MySQL, Prisma, and TailwindCSS,** enabling students to discover projects and collaborate with faculty.

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.**
- Built performant, accessible pages with perfect Lighthouse scores 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+

RESEARCH

CO-OPERATIVE AUTONOMY
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
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.