Srilokh Karuturi

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Education

The University of Texas at Dallas | B.S Computer Science   **Graduation: December 2023**

Coursework: Advanced Algorithms Analysis, Computer Science II (Java), Software Engineering, Linear Algebra

Experience

IBM | Software Engineering Co-op | Coppell, TX   May 2022 – Present

Client Engineering – Industry Engineering Lab (Telecommunications)

- Engineer and showcase solutions to clients in areas such as 5G, **Machine Learning, Edge Computing and Hybrid Cloud** via technology demonstrations (**T-Mobile, Time Warner, Samsung**)
- Built internal environment validity scripts for identifying compliance discrepancies increasing throughput by **300%**
- Expanded **Machine Learning churn pipelines** with **automated debias model creation** allowing for faster time to market by **25%**
- Play an instrumental role in development and deployment of **Full Stack React Web Applications on Edge Clusters**

BlockTrace   August 2021 – August 2022

Software Engineering Consultant | Dallas, TX

- **Sole developer** of a production application responsible for "**Multi Blockchain High Volume Address Watching**" instrumented with **Next.js, Confidential API's, BE Python Scripts.** (Utilized by IRS)
- Demonstrate distinguished presentation and public speaking skills with **code reviews, weekly standups, and client demonstrations**

Software Engineering Intern | Austin, TX

- **Spearheaded** development of an **internal Bitcoin network analysis tool** utilizing deployment of 2+ Bitcoin Nodes
- Built Python tooling for **Blockchain Forensic and Analytical Services** allowing for data fetching, data cleaning, and clear interpretation for data-driven decisions

Dell Technologies | Software Engineering Apprenticeship | Round Rock, TX   **Feb 2018**

- Devised greedy approach towards troubleshooting increasing throughput of technical specialists by **30%**
- Selected by Leander ISD out of **hundreds of exemplary applicants** to receive a work-based experience from Dell

Projects

Microsoft Decentralized Verifiable Credentials | Azure Active Directory, .Net

- Reached out by a **Microsoft Senior Product Manager** for **exemplary performance**
- Created an implementation of **Microsoft's** Decentralized Verifiable Credentials within University's authentication

Blackboard Task Microservice | Golang

- Automated Web scraping Microservice used for **retrieval of any student's Blackboard tasks**

Library Management System | TypeScript, React, Redux

- Full Stack Web App designed to facilitate **tracking** books, borrowers, and loans.

AI/ML Building Identifier | Apple Vision, Core ML, Swift

- IOS Application designed to **detect specific UTD buildings/areas** to facilitate **on-campus location mapping**

Skills

Languages: Python | TypeScript | Java | R | Golang | Bash | SQL

Frameworks: Kubernetes | Next.js(React)

Technologies: Docker | Linux | IBM Machine Learning | Ansible | GitLab | Node.js