Karri Sai Satish Kumar Reddy

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EDUCATION

Indian Institute of Technology Kharagpur — Kharagpur, India
Bachelor Of Technology in Computer Science And Engineering; CGPA: 9.08/10 — *July 2015 – July 2019*

EXPERIENCE

Google — Bangalore, India
Software Engineer III — *August 2021 - Present*
- Led (DMA Complaince) efforts across 15 pipelines, coordinating with partner teams and spearheading data labeling initiatives for DMA compliance. Worked closely with legal counsel to ensure alignment with regulatory requirements.
- Owned brand entity ingestion and serving pipeline, successfully launching Brand Exclusions in PMax, supporting **200K+ customers and 900M+ Weekly ARR.**
- Played a key role in launching the Commercial Knowledge Graph infrastructure by designing critical components like the proto triplification library and file-based locking system.
- Established processes within the team to ensure (Data Governance) compliance for all launches. Collaborated with Privacy counsel to resolve potential violations and develop contingency plans.

Cohesity — Bangalore, India
Research Engineer — *July 2019 - August 2021*
- Designed and developed object based backups, which is a key feature of **DMaaS (Data Management as a Service)**.
- Delivered **performance/scale improvements** in the control path operations for performing backups/restores.
- Redesigned and massively parallelized operations of the Pulse service, resolving UI scalability issues and achieving a remarkable **60% performance boost.**

Intuit — Bangalore, India
Software Engineering Intern — *May 2018 - July 2018*

Aurora Adapter
- Designed and developed a **fault tolerant, highly available** module called Aurora Adapter
- This **ETL module** is pivotal in extracting data from Aurora MySQL database instances utilizing Debezium, a Kafka Connect-based platform. It further transforms and ingests data into the Data Lake infrastructure.

ACADEMIC PROJECTS

Memory Resident Unix-like File-System — *March 2018*
Operating Systems Lab
- Implemented a memory resident **Unix-Like file system** (MRFS) with support for multiple users via a C library of APIs.Developed APIs encompassing standard Unix file operations and full system state saving and restoration.

Transport Wrapper — *March 2018*
Networks Lab
- Created a modular **Transport layer wrapper** atop UDP protocol for reliable data transfer using socket programming. Implemented flow control and congestion control mechanisms.

ACHIEVEMENTS

- Received the prestigious **CHAIRMAN BOARD OF GOVERNORS GOLD MEDAL** on 65th convocation of IIT Kharagpur for being best all-rounder performer under disabled category.
- Nominated as the best performer and received Top Gun Manverick Award for a quarter in Cohesity.
- Stood **52nd** in **ACM-ICPC(2018) Online Qualifiers** and qualified for the Amritapuri Regionals
- Ranked **83rd** in the **Amritapuri onsite regionals** of ACM ICPC 2018.
- Secured **8th** Rank in **JEE ADVANCED 2015** in OC-PH category.

PROGRAMMING SKILLS

Languages: Fluent in C, C++, Experienced in Golang, Python, Java.
Tools/Libraries: Experienced in Protocol Buffers, Git, AWS, Docker, Kafka, Confluent, React