

# RAHIM FIROZ CHUNARA

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## EDUCATION

### **Master of Science in Computer Science and Engineering**

Sept 2022 - June 2024

Santa Clara University, Santa Clara, California

- Relevant Courses: Operating System, Distributed Systems, Machine Learning.

### **Bachelor of Science in Computer Engineering**

Aug 2017 - July 2021

Fr. Conceicao Rodrigues College of Engineering, Mumbai, India, CGPA: (8.47/10)

- Relevant Courses: Data Structures, Advanced Algorithms, Web Development.

## EXPERIENCE

### **Research Assistant**, Santa Clara University, Santa Clara, CA

April 2024 - Present

- Working closely with Prof. Navid and a team to boost public transport usage with an app that promotes public transit by highlighting its financial and environmental benefits on-the-go, helping to increase adoption rates.

### **Software Engineer Intern**, Mercy Corps Ventures, Santa Clara, CA

July 2023 - Dec 2023

- Engineered Impact Investment Analysis Tool with data management, and machine learning for predictive insights.
- Crafted dynamic dashboards for advanced data visualization, integrating sentiment analysis capabilities using NLP tools to assess and visualize public perception and impact.
- Optimized data workflows using AWS for robust processing and storage solutions. This initiative led to **65%** increase in actionable insights for decision making.

### **Software Engineer**, Deloitte, Mumbai, India

July 2021 - August 2022

- Developed a privacy management interface enhancing client control over personal data and implemented robust data storage solutions and integrated AWS services for scalable cloud deployment.
- Collaboratively built an automation system for workforce analytics, featuring dynamic reporting dashboard & advanced data processing, improving management efficiency and reducing annual turnover by **15%**, saving **\$10,000** each year.
- Implemented a comprehensive security framework to safeguard employee and organizational data within the automation system, including encryption protocols, access controls ensuring protecting against data breaches.

### **Software Engineer Intern**, Space Up Technologies, Mumbai, India

Jan 2020 - Jun 2020

- Innovated a JavaScript algorithm to auto-generate GraphQL queries and mutations from table data, accelerating development cycles by reducing developer effort by **70%**.
- Led the creation of a mock server, streamlining API testing and debugging by decoupling from the backend and doubling the release rate of updates.

## SKILLS

**Programming:** Python, C++, SQL, JavaScript, TypeScript, HTML, CSS.

**Frameworks/Libraries:** React.js, Redux, Node.js, Flask, D3.js, TensorFlow, NumPy, Sklearn, PyTorch.

**Databases and Tools:** PostgreSQL, MongoDB, AWS tools, Docker, Jenkins.

**Certifications:** AWS Certified Solutions Architect – Associate (SAA-C03).

## PROJECT EXPERIENCE

### ChordShare - [\[GitHub\]](#)

- A decentralized peer-to-peer file sharing system based on the Chord distributed hash table (DHT) protocol, enabling efficient file lookup, replication, and concurrent access across a dynamic network of nodes.

### YORU - [\[GitHub\]](#)

- Winning solution to Cisco DevNet's cruise tourism problem statement proposed in SIH 2020. Built using the Conversational AI platform - MindMeld, with intent and role classifiers.

### Smart Monitor - [\[GitHub\]](#)

- Developed an IoT solution targeting e-waste reduction, capable of media transmission and display on RasPi to any display through intra-net with full control of handling media.

## EXTRACURRICULARS

- Winner of Smart India 2020 National Level Hackathon, problem statement by CISCO DevNet in travel & tourism domain.