

# ADITYA GATTU

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## Education

### University Of Utah

Aug 2022 – May 2024

Master of Science in Computer Science - CGPA: 4.0/4.0

Salt Lake City, Utah

### SASTRA Deemed to be University

Aug 2017 – Jul 2021

Bachelor of Technology in Computer Science(Hons.) - CGPA : 9.25/10.0

Thanjavur, TamilNadu

## Experience

### Motorola Solutions

May 2023 – Aug 2023

Software Engineer Intern

Salt Lake City, Utah

- Engineered RESTful API web services to enable seamless tracking, comparison, restoration of software configurations. Enhanced accessibility for 200+ clients, boosting configuration reversion by 60% through efficient CRUD operations.
- Transformed the GraphanaRrdDataSource module into a standalone web application using a lightweight library, eliminating middle-tier dependencies which helped the HUB team.
- Optimized the Graphana dashboard by systematically addressing 80% of prevalent issues, resulting in a significant 50% improvement in performance for visualizing critical statistics and enhancing data-driven decision-making capabilities.

### University Of Utah

Jan 2023 – May 2023

Graduate Teaching Assistant

Salt Lake City, Utah

- Collaborated with Dr. Rajeev as a Teaching Assistant for the CS 3810- Computer Architecture course in Spring 2023.
- Conducted research to validate benchmarks and optimize performance within the Upmem SDK, resulting in significant advancements in Near Data Processing and improved efficiency within the organization.

### Commscope

Aug 2021 – Jul 2022

Software Engineer

Bangalore, Karnataka

- Orchestrated the complete development cycle of the revolutionary 'Port Profile' functionality, empowering users to effortlessly fine-tune settings, driving a remarkable 40% enhancement in device identification efficiency while connecting to switches in INFRA team.
- Implemented a groundbreaking transition of the OS Packet Filter data structure from linear to AVL, resulting in a remarkable 60% performance boost, removing system filter count limitations, and streamlining workflow processes.

### Presidio Cloud Solutions

Mar 2021 – Aug 2021

Software Developer Intern

Chennai, TamilNadu

- Architected and delivered Kibbitz, a robust full-stack web application using React that empowered over 1,000+ employees with chat, meeting, and posting functionalities, enhancing team collaboration.
- Streamlined infrastructure efficiency and reduced team costs by strategically implementing the Serverless framework on AWS. Utilized Lambda, EC2, and RDS to optimize the backend, resulting in 30% faster response times.

### Bharat Electronics Limited

May 2019 – Jun 2019

Machine Learning Intern

Bangalore, karnataka

- Implemented a state-of-the-art Machine Learning model employing a Random Forest classifier, enabling accurate prediction of target types prone to attacks by terror groups, delivering a remarkable 92.3% accuracy based on GTD data.
- Elevated model performance by 95.2% through the implementation of XGBoost; revolutionized predictive capabilities, empowering data-driven decision-making and fueling exponential business growth.

## Projects

### Mutual Bootstrapping Deep CNN - Model | Python, Deep Learning

Jul 2020 - Jan 2021

- Orchestrated the integration of the MB-CNN model into the project, enabling synchronous segmentation of skin lesions and subsequent classification; achieved a remarkable 60% increase in overall efficiency and accuracy compared to traditional segmentation techniques.

## Technical Skills

**Languages:** C, C++, Data Structures and Algorithms, C#, Javascript, Java, Python, HTML/CSS, SQL

**Developer Tools:** VS Code, IntelliJ, Eclipse, Paraview, Google Cloud Platform, AWS, MariaDB, .NET

**Technologies/Frameworks:** ReactJS, Angular, scikit learn, Linux, Jenkins, GitHub, IntelliJ, Git, GitHub

## Leadership / Extracurricular and Achievements

- Runner Up in FACEBOOK Hackathon** - Developed and designed a car application using the React360 framework.
- Secured 331st rank in Google Kickstart 2020.**
- Awarded Dean's Scholarship from Jul 2018 - Aug 2020** for ranking in the top 2% of the University.