

ADITYA CHANDRA

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EDUCATION

Master of Science in Computer Science

University of Colorado Boulder - **GPA: 3.94 / 4**

Dec 2024

Boulder, Colorado

Bachelor of Engineering (B.E.) Information Science and Engineering

Ramaiah Institute of Technology - **GPA: 9.33 / 10**

June 2019

Bangalore, India

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, C++, Go

Libraries: ReactJS, Material UI, NodeJS, Jackson, Apache Commons

Tools: AWS, GCP, Gitlab, Mongo Compass, Oracle SQL Developer, MinIO, Terraform, Neo4j, Redis, VS Code

Frameworks: Spring, Spring Boot, Docker, Kubernetes, Kafka, Flask, JUnit, Jest

EXPERIENCE

Software Engineer

August 2019 – July 2022

GE Transportation, a Wabtec Company

Bangalore, India

- Contributed to **15%** of data pipeline enhancements and documented best practices for its deployment and troubleshooting.
- Strengthened the ETL pipeline by reducing the vulnerabilities by **30%** and resulted in a **20% performance boost**.
- Received an award for **Pursuing Excellence** in 2021 Q1 Network and Logistics India Recognition.
- Automated customer onboarding process using **PL/SQL** scripts that reduced L2 support resolution time by 70%.
- Implemented web application authentication and configured MongoDB encryption at Rest.
- Spearheaded the development of full-stack web modules contributing to **50% of product enhancements**.
- Collaborated with cross-functional teams in different time zones to streamline bi-weekly application releases.

Software Engineer Intern

February 2019 – July 2019

GE Transportation, a Wabtec Company

Bangalore, India

- Built reactive REST API's using Kotlin for a **Spring Boot Microservices application**.
- Developed front-end components of a web application using **ReactJS** and integrated it with back-end services.
- Containerized Microservices using **Docker** and deployed them to **Kubernetes** cluster.

PROJECTS

HypTaaS (Hyperparameter Tuning as a Service) | React, Kafka, Docker, Kubernetes, PyTorch | 🐙

December 2023

- Created a cloud-based application to **automate hyperparameter optimization** for deep learning models.
- Streamlined hyperparameter tuning by parallelly training multiple models during grid search to reduce overall train time by **32%** to find the best model.

Arxiv Insanity | React, GoLang, MongoDB, Neo4j, Redis, Docker, Kubernetes, Terraform | 🐙

May 2023

- Developed a web application using GoLang, Neo4j, and React to **revolutionize literature review process**.
- Implemented an interactive citation network for primary research papers, enabling effortless tracking and exploration of additional related papers of interest. Leveraged Terraform for scalable infrastructure deployment.

True Cost Predictor | Python, NumPy, Pandas, React, Scikit-learn, Flask

November 2021

- Led a team of 4 in Network & Logistics Virtual Hackathon hosted by Wabtec Corporation and **won 1st place**.
- Trained a random forest regression model with **78%** accuracy to predict car hire rates, resulting in a **40%** reduction in overpayments, improving cash flow management.

Soft Braille | Python, PyQt, Pytesseract, OpenCV | 🐙

June 2018

- Developed an open source cross-platform Desktop application for visually impaired children which converts scanned textbook pages to braille, reducing printing costs by **80%**.
- Honored with and **award for Inspiration** at Smart India Hackathon under Ministry of Social Justice and Empowerment.