ADITYA CHANDRA

⬤ Boulder, Colorado 📞 720-843-8392 ✉ aditya.chandra@colorado.edu 🔗 linkedin.com/in/acprime96 ⬛ github.com/ACprime96

EDUCATION

Master of Science in Computer Science **May 2024**
University of Colorado Boulder *Boulder, Colorado*

Bachelor of Engineering (B.E.) Information Science and Engineering **June 2019**
*Ramaiah Institute of Technology - **GPA: 9.33/10*** *Bangalore, India*

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Libraries: Jackson, Apache Commons, ReactJS

Developer Tools: AWS, Gitlab, IntelliJ IDEA, VS Code, Mongo Compass, Oracle SQL Developer, Gradle, Postman

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

EXPERIENCE

Software Engineer **August 2019 – July 2022**
GE Transportation, a Wabtec Company *Bangalore, India*
- Collaborated with cross functional teams to streamline bi-weekly application releases.
- Contributed to 15% of data pipeline enhancements using **AWS EC2 instances**, Talend Data Fabric and ActiveMQ.
- Strengthened the ETL pipeline by reducing the vulnerabilities by 30%.
- Increased **Elastic search** performance by 20% with query optimization and reduced aggregations.
- Documented best practices for deployment and troubleshooting the data pipeline.
- Received silver 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 50%.
- Implemented authentication for web application and enabled TLS encryption that improved database security.
- Spearheaded the development of full stack web modules contributing to 50% of product enhancements.

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

True Cost Predictor | *Python, NumPy, Pandas, JavaScript, Scikit-learn, Flask* **November 2021**
- Led a team of 4 in Network & Logistics Virtual Hackathon conducted by Wabtec Corporation and **won 1st place**.
- Created a web application that uses machine learning to predict car hire rates with **78% accuracy** which enabled the railroad organizations to manage cash-flow better by reducing overpayments and rebate claims **upto 40%**.

Soft Braille | *Python, PyQt, Pytesseract, OpenCV* **June 2018**
- Contributed to **Corporate Social Responsibility** work by developing assistive applications and tools for educating the visually impaired children. The application is currently being used in **Mathru Blind School**, *Bengaluru, India*.
- Developed an open source cross-platform Desktop application that could convert scanned pages from school textbooks to a braille equivalent output which reduced the printing cost per page by 80%.
- This Project was selected for Smart India Hackathon, Software Edition under *Ministry of Social Justice and Empowerment* which received **award for Inspiration**.

EXTRACURRICULAR

- Anush Kumar, Nihal V. Nayak, **Aditya Chandra**, and Mydhili K.Nair. 2019. **Study on Unsupervised Statistical Machine Translation for Backtranslation**. In *Proceedings of the International Conference on Recent Advances in Natural Language Processing (RANLP 2019)*. INCOMA Ltd., Varna, Bulgaria,

- Served as **facilitator for Google Developer Student club** and conducted hands-on workshop on **Node.js** for peer students and juniors.