

GUNASHEKAR CHENNA

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SKILLS

Python | Scala | Java | TypeScript | Spark | Hadoop | AWS | Airflow | Git | SQL/NoSQL | Jenkins | Terraform | Confluence | JIRA | Veracode | Flask | TensorFlow | Machine Learning | Computer Vision | Linux

PROFESSIONAL EXPERIENCE

Experian | Software Engineer (Data Engineering Team)

Aug'22 - Present

- Spearheaded the deployment of a cloud-based big data platform on **Spark/EMR & AWS**, eliminating the need for a vendor tool, resulting in a substantial increase in query processing speed and annual cost savings of **\$250k** on infrastructure/maintenance.
- Directed the seamless migration of **50TB** consumer data from a mainframe **DB2 database server** to the cloud, demonstrating responsibility and data prowess.
- Architected end-to-end orchestration with robust data quality checks, elevating user experience and data integrity, demonstrating excellence in seamless operations using **Scala and Airflow**.
- Developed an interactive UI using **Jupyter ipywidgets** within the AWS studio environment for BI users.
- Leading the development of a cloud-based, global file transfer and client data preprocessing platform for enhanced efficiency across the regions with automated security and malware checks.

INTERNSHIPS

Experian | Software Engineer Trainee | MLOps, JupyterHub package management

Nov'21 – Jul'22

- Developed a custom-built JupyterLab extension for Feature Engineering and **MLOps** using Python and TypeScript.

SwiftAI | Machine Learning and Computer Vision Engineer | CNN, OpenCV, Tensorflow

Sep'20 – Mar'21

- Packaged multiple basic to advanced **CNN** architectures including **Transfer Learning** models and deployed within the org.

GoalStreet | Machine Learning Intern | Keras, Feature Engineering

May'20 – Jul'20

- Worked on various supervised and unsupervised machine learning models on large datasets, and built **~30** new models.

PROJECTS

Rainfall prediction on Australian Weather

Apr'21

A Machine Learning web application made using Python and Flask. [LINK](#)

- Designed a Machine Learning web application using Python and **Flask** for real-time weather forecasting in Australia.
- Implemented Boosting algorithms such as **XGBoost** and **CatBoost** to optimize predictive accuracy.

Face Recognition System in Election Polling Booths

Oct'20

A Computer Vision application developed using haar cascade classifier and OpenCV. [LINK](#)

- Engineered a Computer Vision application using **haar cascade** classifier and **OpenCV** to detect Electoral Frauds based on voters' facial features.
- Significantly enhanced voting transparency and security, leading to victory in the CS Hackathon 2020.

ACHIEVEMENTS

- Achieved global ranks **#12 & #104** in **TCS Codevita** Season 10 Round 1 & 2, surpassing **100k+** participants.
- Secured victory in the **CS Hackathon 2020**, focused on "Rural Development," leading a team of five.
- Mastered over **1000 Data Structures and Algorithms** challenges across diverse coding platforms. ([leetcode](#), [codechef](#))
- Ranked within the **top 5** in **Rurathon 2020**, a national-level Hackathon held in our college, for the Face Recognizer in polling booths.
- Achieved scores of **83.85%** and **90%** in Cognitive and Programming tests conducted by TCS under the NQT February initiative.

POSITIONS OF RESPONSIBILITY

TLE2022 (To Learn Efficiently) | Founder

Apr'20 - Present

- Established an open community aimed at assisting students in learning Python, ML, and Basic Programming.
- Mentored students across various colleges for career progress, interview skills and personality development.
- Delivered lectures on the topics of Fresher's Hiring, the Significance of Social Networking, and Effective Uses of LinkedIn.

EDUCATION

Sreenidhi Institute of Science and Technology, India | B.Tech Computer Science | CGPA: **8.91/10**

2018 - 2022