

Tirumala Manoj Kumar Goud

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EXPERIENCE

Tata Consultancy Services - Digital (R&D)

July 2020 – Present

Software Developer

Hyderabad, TS

- Developed **Python scripts to automate** the execution of repetitive or complex tasks, improving efficiency, thereby reducing **100's of hours of manual work**. which helped the stakeholders to **save 2% annually**.
- Utilized version control systems such as **Git** to collaborate with team members and track code changes.
- Configured **Jenkins to trigger builds** and deployments based on code commits, pull requests, and other events.
- Developed proof of concepts for data visualizations using **d3.js** where we **fetch data from API's** to create customized charts such as line chart, time-series chart, etc.
- Implemented interactive features in charts such as **hover-over tooltips** and **filtering options**.
- Developed a **website for internal use** where it contains the information related to different project aspects which is used by designers, developers, managers and clients.

Tata Consultancy Services

Jan 2020 – March 2020

Software Engineering Intern

Hyderabad, TS

- Developed an end to end recommendation engine using **Python and the Flask web framework**, utilizing machine learning algorithms and tools such as **scikit-learn, seaborn, etc.**
- Integrated the recommendation engine into a Flask application, including **creating routes and templates** to display recommendations to users.
- **Tested and debugged** the recommendation system to ensure its accuracy and also **deployed** making it available to users.

Ennoble Technologies

Jun 2018 – July 2018

Intern

Hyderabad, TS

- I was part of a team consisting of 6 interns worked on solving various problems during the internship and **mainly responsible for creating UI for various web pages**.
- Worked with team members to troubleshoot and resolve technical issues.

PROJECTS

Multi-class Twitter Sentimental Analysis

- Used Machine Learning concepts like Naive Bayes Classifier to perform sentiment analysis on tweets. In this project, a new model has been developed which increases the accuracy by **4%** when compared to the baseline model.
- **Tools: Python, TextBlob, NLTK and other Python libraries.**

Personal Portfolio

- Developed custom Django templates and used Bootstrap to design a responsive and user-friendly interface.
- **Tools: Python, Django**

EDUCATION

Institute of Aeronautical Engineering

Aug 2016 – May 2020

Bachelor of Technology in Computer Science and Engineering

CGPA : 8.45/10

SKILLS

Languages : Python, Java, C, HTML/CSS, JavaScript (d3.js), PHP, SQL

Frameworks: Django, NLTK, Flask, Numpy, Pandas, Bootstrap

Tools : Jira, Git, Gerrit, GitHub, Docker, Jenkins, Codechecker