

Satheesh Gajula

Software Engineer

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SUMMARY

Software Engineer with 3 years of experience in Data Analysis and Machine Learning. Skilled in Python and extracting insights from complex data. Committed to data-driven strategies and delivering high-quality results.

PROFESSIONAL EXPERIENCE

Python Developer

Sep '20 - Present

Tata Consultancy Services

Bangalore , IN

Project: Digital Information Extraction Tool

Data Analysis, Machine Learning, Django

Responsibilities:

- Worked on a document information extraction tool project using **Django**, **Python**, **NLP**, and **machine learning** modules to extract specific data from documents.
- Improved data accuracy by 20% through the application of **Natural Language Processing (NLP)** and **machine learning techniques** on unstructured documents.
- Managed servers for deploying and testing the application, including **UAT** (User Acceptance Testing) and **pre-SIT** (System Integration Testing).
- Installed and configured essential software packages and dependencies on **servers** to support application functionality.
- Created user-friendly **Django** interfaces for real-time configuration of data extraction rules and progress monitoring.
- Stayed current with **NLP**, **machine learning**, and web development advancements, proposing and implementing innovative solutions for document information extraction challenges.
- Worked in **feature engineering**, **model selection**, and evaluation, ensuring that the analytical models are accurate and reliable
- Utilized libraries such as **Matplotlib** and **Seaborn** to create visually appealing charts, graphs, and dashboards that effectively communicate findings.
- Performed data preprocessing with **Pandas** and **NumPy** to prepare data for machine learning models.
- Engineered **Django Rest APIs** and tested request and post methods utilizing **Postman**.
- Well versed with **Anaconda** and **Jupyter Notebook** interface.

Technologies Used :

- Python, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Django Rest API, Cx_Oracle, NLP

TECHNICAL SKILLS

Programming Languages : Python, C, Java.

Frameworks : Flask, Django Rest API

Version Control: Git

Database : MySQL, Postgres.

API Tools : Postman.

Operating Systems : Linux, Windows, Mac

Web Technologies : HTML, CSS, JS

Libraries : Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn ,Cx_Oracle, Django Rest API, NLTK

Productivity and Collaboration Tools : Microsoft 365 Apps and Google Workspace Apps

EDUCATION

B. Tech in Computer Science and Engineering Srinivasa Ramanujan Institute of Technology, JNTUA. <ul style="list-style-type: none">Secured CGPA:7.5	Jun '16 - Sep '20 Anantapur,AP, IN
Intermediate in M.P.C Nalanda junior college,Anantapur. <ul style="list-style-type: none">Secured 96.5%	Jun '14 - Apr '16 Anantapur ,AP, IN
S.S.C Viswa Bharati E.M High School, Rayadurg. <ul style="list-style-type: none">Secured GPA:9.0	Apr '14 Rayadurg ,AP, IN

CERTIFICATIONS

- Metamorph Domain Certification | TCS
 - Python Web Developer Nano-degree | Udacity
 - Machine Learning | Coursera
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ACHIEVEMENTS

- Appreciated by IS-BTG Unit for outstanding contribution in the project in Mar 2022
 - Received **on The Spot Team Award** in Feb 2023
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