

Satheesh Gajula

Software Engineer

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SUMMARY

I'm a Software Engineer more than 3 years of expertise in Python, Machine Learning, EDA, Natural Language Processing, and Django. My skills include data extraction, transformation, loading, effective data visualization, and building predictive machine learning models. I also have expertise in maintaining Django applications and developing independent Django RESTful APIs. I'm highly motivated and results-oriented, continuously expanding my expertise in the dynamic field of data analysis.

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.
- 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.
- **ce 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.
- Engineered **Django Rest APIs** and tested request and post methods utilizing **Postman**.
- Collaborated with cross-functional teams to gather requirements and align feature specifications with project objectives.
- Collaborated closely with system administrators to **monitor server performance**, and troubleshoot issues.
- 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.
- 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

Jun '16 - Sep '20

Srinivasa Ramanujan Institute of Technology, JNTUA.

Anantapur,AP, IN

- Secured CGPA:7.5

CERTIFICATIONS

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

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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