

# 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 machine learning models. I also have expertise in maintaining Django applications and developing independent Django RESTful APIs. I maintain a strong commitment to achieving results and continually enhancing my expertise in the dynamic realm 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.
- 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.
- 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.
- 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.
- Designed and implemented user-friendly Django templates to ensure an intuitive and responsive user experience within the Django web application.
- Collaborated closely with system administrators to **monitor server performance**, and troubleshoot issues.
- Well versed with **Anaconda** and **Jupyter Notebook** interface.
- Kept up-to-date with emerging technologies, programming languages, and best practices in software development to enhance skills and contribute to project innovation.

#### Technologies Used :

- Python, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Django Rest API, Cx\_Oracle, NLP

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## 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

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## 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

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## 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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