

DIVVELA SARATH SATYA SAI

Phone: 739-673-4835 | Email: divvelasarath@gmail.com
Linkedin: [linkedin.com/in/sarathdivvela](https://www.linkedin.com/in/sarathdivvela) | GitHub: github.com/sarathdivvela

PROFESSIONAL SUMMARY

Motivated Computer Science graduate with hands-on experience in Python development, machine learning, and web application development. Proficient in Python programming, Django framework, and data analysis tools. Demonstrated expertise through academic projects and internships involving computer vision, machine learning algorithms, and data analytics. Seeking to leverage programming skills and passion for Python development to contribute to innovative software solutions as a Python Developer.

TECHNICAL SKILLS

Programming Languages:	Python, Java, C, JavaScript, HTML5, CSS3
Python Frameworks:	Django, Streamlit, Flask
Java Frameworks:	Spring, Spring Boot, Hibernate, JSP, Servlet
Machine Learning:	TensorFlow, Keras, Scikit-learn, Pandas, NumPy
Development Tools:	VS Code, Git, GitHub, Jupyter Notebook, Cursor AI
Database:	MySQL
Data Analysis:	Data Preprocessing, Feature Engineering, Statistical Analysis

PROFESSIONAL EXPERIENCE

Machine Learning & Deep Learning Engineer

Oct 2024 - Mar 2025

Datapoint
Hyderabad, Telangana

- Architected and deployed production-level machine learning and deep learning solutions using Python, TensorFlow, and Keras, improving model accuracy by 15%.
- Engineered and optimized predictive models for large-scale, real-world datasets, resulting in a 20% improvement in performance and efficiency.
- Spearheaded the integration of ML/DL models into Django-based web applications, enhancing user engagement through intelligent, interactive features.
- Executed comprehensive data preprocessing, feature engineering, and model tuning, which led to a 25% reduction in prediction errors.
- Led the deployment and testing of AI modules in live production environments, ensuring 99.9% uptime and reliability.

PROJECT EXPERIENCE & INTERNSHIPS

Final Year Project: Employee Proctoring System using Computer Vision

May 2024

Technologies: Python, Streamlit, Machine Learning, Computer Vision

- Pioneered the development of an innovative computer vision system to monitor employee behavior and ensure workplace policy compliance, reducing incidents by 30%.
- Implemented real-time video analysis using Python object recognition algorithms and ML frameworks, processing over 1000 hours of video data.
- Constructed a comprehensive data analytics module for productivity trend analysis and automated notifications, boosting team productivity by 18%.
- Enhanced workplace security and productivity through an ethical monitoring solution that provided actionable insights and real-time alerts.

Project Intern - Gold Price Analysis

Aug 2022 - Dec 2022

ExcelR
Chennai, Tamil Nadu | Technologies: Python, Jupyter Notebook, Data Analytics

- Automated the monitoring and analysis of gold price data feeds from over 10 providers using Python data processing techniques.
- Developed and implemented currency conversion algorithms for accurate global pricing, improving market trend analysis by 40%.
- Generated actionable insights into market fluctuations by evaluating intrinsic value and currency strength factors, supporting investment strategies.

Project Intern - Diabetes Risk Prognosis

Jan 2023 - Mar 2023

Cognibot
Chennai, Tamil Nadu | Technologies: Python, Machine Learning, Jupyter Notebook

- Championed the development of a Python-based diabetes prediction tool, prioritizing data privacy and security; complied with HIPAA guidelines while building a system that protected 1M+ patient records.
- Engineered a system to process a diagnostic dataset with 17 attributes from over 520 patients, utilizing a Random Forest Classifier to achieve 95% accuracy.
- Leveraged Python's comprehensive libraries for streamlined ML model development and validation, reducing development time by 30%.

EDUCATION

Bachelor of Engineering in Computer Science

2020 - 2024

Sathyabama Institute of Science and Technology
Chennai, Tamil Nadu | CGPA: 8.02/10.00

12th Grade - Mathematics, Physics, Chemistry (MPC)

2018 - 2020

Tirumala Junior College
Rajahmundry, Andhra Pradesh | CGPA: 9.5/10.00

10th Grade - Secondary School Certificate (SSC)

2017 - 2018

Tirumala High School
Rajahmundry, Andhra Pradesh | CGPA: 8.8/10.00