SHYAM SUNDAR R

Phone | Email | LinkedIn | GitHub

Executive Summary

AI and Data Science undergraduate with strong foundations in Python, Java, SQL, Machine Learning, and Cloud platforms (AWS, Azure). Hands-on experience in building data-driven solutions using Scikit-learn, TensorFlow, and Keras, with exposure to analytics, model evaluation, and basic cloud deployment. Brings a structured problem-solving approach and the ability to translate technical outcomes into business-relevant insights.

Technical Skills

Languages: Python, Java, C, SQL
AI/ML: TensorFlow, Keras, Scikit-learn, SpaCy, NLP, Computer Vision
Data Analytics: EDA, Feature Engineering
Web Development: HTML, CSS, JavaScript, React
Tools & Databases: Git/GitHub, AWS, Azure, MySQL, MongoDB

Projects

AI-Powered Resume Organizer - NLP & Recruitment Tech

- Designed an NLP-based resume screening solution to automate candidate shortlisting.
- Reduced manual resume screening effort by **70%** using automated ranking logic.
- Authored and published research findings in *SECP Conference Proceedings (ICNKAI-2K25)*.

ChangeSentinel: Satellite Imagery Change Detection - Computer Vision

- Engineered a land-use monitoring platform using multi-temporal LISS-4 and Sentinel satellite imagery.
- Integrated U-Net for image segmentation and XGBoost/Prophet for forecasting environmental shifts.
- Built an automated alerting system for user-defined Areas of Interest (AOI) to detect illegal land-use changes.

Smart Student Hub - Full-Stack AI Integration

- Developed a centralized digital platform using Node.js, React, and MongoDB for verified academic records.
- Designed a recommendation engine suggesting career paths based on student activity data.
- Implemented role-based dashboards supporting concurrent access for students and administrators.

Experience & Training

Cybersecurity Trainee – National Small Industries Corporation (NSIC)   *December 2024*

- Completed intensive 15-day hands-on training in Ethical Hacking and Network Security protocols.

Education

Vel Tech High Tech Engineering College Dr.Rangarajan Dr.Sakunthala Engineering College   *2023 – 2027*
B.Tech in Artificial Intelligence and Data Science
CGPA: **9.04** (Up to Semester 5)

C.S.I Bishop Corrie Anglo Indian Higher Secondary School   *2021 – 2023*
HSC – State Board
Percentage: **88%**

Certifications & Achievements

- Research Publication: ICNKAI-2K25 Conference – Prabodhanam Foundation.
- Best Idea Presentation Award - Internal Smart India Hackathon (2024,2025).
- Innovation Excellence Award - Mini Project.
- NPTEL Elite Gold/Silver: Joy of Computing using Python, Cloud Computing.
- Job Simulations: Data Analytics (Deloitte), Gen AI-Powered Analytics (TATA / Forage).
- Google Data Analytics Professional Certificate (Coursera).
- Cloud Computing Engineering (AWS/Azure) - Wipro (Ongoing).