

Shambhavi Gunda

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Education

B.Tech in Computer Science and Engineering Vellore Institute of Technology CGPA: 8.7	Sep 2022 – Sep 2026
Urbane Junior College (XII), MPC Percentage: 97.8%	Apr 2020 – Apr 2022
Rockwell International School (X) Percentage: 92.4%	Apr 2019 – Apr 2020

Experience

Data Analyst Intern – NullClass Pvt. Ltd.

- Designed four interactive Power BI dashboards analyzing 2,500+ Twitter interactions to optimize content strategy.
- Automated ETL workflows, reducing manual processing time by 30%.
- Validated data transformations, improving dashboard accuracy and decision-making by 20%.

Projects

- Comparative Analysis of DL Models for Brain MRI Tumour Detection:** Co-authored and published a research paper analysing 5+ deep learning CNN models for brain MRI tumour detection using 12,000+ scans, achieving up to 99.82% accuracy.
- Design and Implementation of a Full-Stack Social Media Platform (gramX)**
Developed a secure, scalable full-stack system using FastAPI, Streamlit, JWT authentication, and cloud-based media storage.
- Intrusion Detection in Smart Agriculture & IIoT:** Spearheaded the development of custom intrusion detection models that analysed over 1.3M traffic instances, improving processing time by 18% and blocking 75+ intrusion attempts each week.
- Stock Price Prediction Using ML & Data Warehousing:** Integrated LSTM, GRU, and Prophet models with automated ETL pipelines, boosting prediction accuracy by 12% and efficiency by 25%.

Technical Skills

Languages: Python, R, SQL (MySQL), Java, HTML, Kotlin (Basic), Linux
Developer Tools: Power BI, DAX, Tableau, Git, VS Code, PyCharm, Google Colab, AWS
Libraries: Scikit-Learn, TensorFlow, PyTorch, Hugging Face, Pandas, NumPy, Matplotlib, Seaborn
Core Skills: ETL Pipelines, Data Warehousing, Machine Learning, Deep Learning, Data Visualisation, API

Certifications

- MongoDB Associate DBA (2025)
- AWS Academy Graduate – Cloud Architecture & Cloud Foundations (2024)
- DataCamp: Machine Learning Scientist in Python (21 sub-courses), R Programming (9 sub-courses) (2024)
- Android App Development (Imarticus Learning) (2023)

Achievements & Leadership

- Treasurer at Women in Open Source (WiOS) – co-led 50+ member chapter, partnered with speakers, and fostered inclusivity.
- MSC Hackathon (2nd place)– Built an AR shopping app for e-commerce, outperforming 50+ teams.
- ACM Hackathon Winner, Built a Farmer Self-Employment mobile app with a user-friendly UI, winning 1st place.
- Organised college events for 200+ attendees, leading a 10-member team for the Model United Nations Club.