

# POJA SHRI J M

Machine Learning · Python · AI & Data Science

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## PROFESSIONAL SUMMARY

Pre-final year B.Tech student in Artificial Intelligence Data Science (CGPA 9.25) seeking a Data Scientist Intern role focused on AI/Agentic Systems. Skilled in Python, Machine Learning, NLP, LLM concepts, and building end-to-end AI applications. Interested in RAG systems, intelligent automation, anomaly detection, predictive modeling, and deploying AI solutions for real-world business workflows.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, HTML, CSS, SQL

**ML / DL Frameworks:** Scikit-learn, TensorFlow, PyTorch, NumPy, Pandas, Matplotlib

**NLP:** Tokenization, Word Embeddings, Text Classification, Hugging Face, LangChain

**Deployment & Tools:** Flask, Streamlit, Git, GitHub, Google Colab, Jupyter Notebook

**Cloud & Platforms:** Microsoft Azure, Render, Railway, Vercel, FireBase

**Other:** Figma, MySQL, Canva, Notion, n8n, Data Structures & Algorithms

## EXPERIENCE

**AI & Data Science Intern — Zeptoware Systems Private Limited** **Dec 2025 – Jan 2026**

- Developed a Fake Job Detection System using NLP pipelines (tokenization, TF-IDF, word embeddings) and ML/DL models; reduced false classification errors by **18%** through threshold optimization.
- Implemented text preprocessing and feature extraction on 800+ job postings, improving model precision and recall across Logistic Regression, Random Forest, CNN, and LSTM architectures.

**Frontend Developer Intern — Parkqwik Pvt Ltd** **Jun 2025 – Jul 2025**

- Designed and developed 5+ responsive UI components using HTML5, CSS3, and JavaScript, improving cross-browser compatibility and user engagement.
- Integrated frontend with RESTful backend APIs enabling real-time interaction for the Million Dollar InstaPage web application.

**Data Science Intern — Nexila Technologies** **Dec 2024 – Jan 2025**

- Cleaned and engineered features from structured datasets using Python and Pandas; built Logistic Regression and Random Forest classifiers evaluated on accuracy, precision, recall, and ROC-AUC.

## PROJECTS

**DocMind AI – Intelligent Document Assistant** **Github-repo**

- Built an AI-powered document intelligence platform using LLMs + Retrieval-Augmented Generation (RAG) for answering questions from uploaded PDFs and documents.
- Live: <https://doc-mind-ai-iota.vercel.app/>

**Fake Job Detection System** **Github-repo**

- Built end-to-end NLP pipeline; benchmarked 4 models (LR, RF, CNN, LSTM) on F1-score and ROC-AUC; achieved **18% reduction in false positives** via decision threshold optimization.
- Live: <https://fakejobdetection.onrender.com/>

**Heart Disease Prediction** **Github-repo**

- Trained and validated ML classifiers on clinical data; achieved **92% accuracy** and ROC-AUC of **0.87** using k-fold cross-validation and feature normalization.

**Employee Performance Prediction** **Github-repo**

- Engineered 10+ features from KPIs, training scores, and HR metrics; deployed real-time prediction Streamlit app used by non-technical stakeholders for performance assessment.

## EDUCATION

**B.Tech — Artificial Intelligence and Data Science** **2023 – Present**  
Jerusalem College of Engineering, Chennai **CGPA: 9.25**

**HSC — Jaigopal Garodia Girls Hr Sec School, Chennai** **89% 2023**

**SSLC — Rajkumar Scholachana Matriculation Hr Sec School** **94% 2021**

## CERTIFICATIONS

Machine Learning — NPTEL Elite Certification (2024) — Natural Language Processing — NPTEL (2025) — PyTorch Bootcamp — OpenCV University (100%) — CNNs with TensorFlow — Coursera — Generative AI Simulation — BCG, Forage — Generative AI Data Analytics — Tata, Forage — IBM AI Fundamentals — IBM — Python Programming — DigiLabs

## ACHIEVEMENTS

- Selected for **ET Gen AI Hackathon** and **EY Techathon Round 2** — national-level technical competitions.
- Participated in **Stage 2** of the All India Women Start-a-thon (national innovation competition for women in tech).
- 1st Place** in department academic performance — Semester 3 & 4; **2nd Place** — Semester 2.