

Shreejith Suthraye Gokulnath

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EDUCATION

University of California, San Diego - Master of Science in Data Science	GPA: 4.0/4.0	2024 – 2026
Indian Institute of Technology, Madras - Diploma in Data Science-	GPA: 4.0/4.0	2023 – 2024
Vellore Institute of Technology, Chennai - B.Tech in CSE -	GPA: 3.96/4.0	2020 – 2024

EXPERIENCE

AI Engineer <i>UC San Diego, Business & Financial Services</i>	Oct. 2024 – Present <i>San Diego, CA</i>
<ul style="list-style-type: none">Automated AI systems to identify 500+ broken links across internal web pages, reducing manual maintenance by 30%Leveraged Python and SQL to process and analyze 40,000+ service ticket records, identifying key patterns in ticket volume and <i>Mean Time to Resolution (MTTR)</i>, improving response times by 15%	
Generative AI Developer Intern <i>TrueInfo Labs</i>	Feb. 2024 – Jul. 2024 <i>Chennai, TN</i>
<ul style="list-style-type: none">Extracted and processed video frames and audio using FFmpeg, Whisper, and GPT-4; implemented AI-driven content analysis with 97% accuracy, visualized through a Streamlit interface.Accelerated data processing by 25% with AI-driven OCR and web scraping pipelines.Improved data retrieval speed by 20% using Selenium, Beautiful Soup, and MongoDB automation workflows.	
ML Research Intern <i>VIT Chennai X Penn State University</i> link	Jul. 2023 – Nov. 2023 <i>Chennai, TN</i>
<ul style="list-style-type: none">Optimized <i>Logistic Regression</i> for Sentiment Analysis, achieving 88% accuracy, outperforming <i>Decision Tree</i> and <i>Naive Bayes</i> models through Hyperparameter Tuning with <i>GridSearchCV</i>Leveraged LSTM and GRU models to achieve 97% accuracy in Named Entity Recognition, surpassing Multinomial Naive Bayes by 6%, while also improving Text Generation quality through fine-tuning embedding dimensions	
Data Engineer Intern <i>Relevantz Technology Services</i> link	Feb. 2023 – Jul. 2023 <i>Chennai, TN</i>
<ul style="list-style-type: none">Developed a churn prediction model for 200,000+ customers, driving retention for 50+ subscription-based clientsDesigned Azure-based data architecture with Event Hubs for real-time ingestion, ADLS Gen2 for scalable storage, ADF for ETL, and Synapse Analytics for efficient processing.Deployed a Logistic Regression model with Lasso (L1) regularization to estimate <i>churn</i> with 90% accuracy.	

PROJECTS

NeuroFraudGAN - Tailored NeuralNet for Credit Card Fraud Detection
<ul style="list-style-type: none">Synthesized 100k+ credit card transactions using GAN to reduce class imbalance by 40%Optimized neural network architecture with Automated Neural Architecture Search (Auto-NAS) techniquesAchieved 96% accuracy and a 0.97 AUC-PR in fraud detection by leveraging <i>GridSearchCV</i> for performance tuning
Data Visualization in Football
<ul style="list-style-type: none">Analyzed 10,000+ player attributes, revealing KPIs with 0.87 correlation to overall rating for enhanced scoutingDeveloped 500+ shotmaps/heatmaps for strategy assessment, and built deep learning models for position forecasting.

TECHNICAL SKILLS

Languages	Python, C/C++, Java, R, MATLAB, SQL (MySQL, PostgreSQL, BigQuery)
Machine Learning	MLOps, TensorFlow, PyTorch, Keras, NLTK, NumPy, Matplotlib, Scikit-learn, LLMs
Cloud & Data Tools	Azure, AWS, Databricks, Apache Spark, Hadoop, Apache Kafka, MongoDB, MS Excel
Others	Algorithms, Tableau, Power BI, Langchain, Git, Jupyter Notebooks, Statistical Testing, Teamwork, Agile, Team Leadership, Version Control

EXTRACURRICULAR

- Domain Winner** - Bajaj Finserv FinTech Hackathon (HackRx 3.0); **Top 10** teams selected to present our solution to the CEOs of Bajaj Allianz, June 2022
- Vice President - Microsoft Innovations Club & Overall Head - VIT Finance and Management Club
- Accepted as a **Microsoft Learn Student Ambassador** (MLSA - Alpha) by Microsoft, October 2023
- Google Data Analytics Professional Certificate (*8 courses, 240+ hours*) [link](#)