

Shreejith Suthraye Gokulnath

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EDUCATION

University of California, San Diego - M.S. 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">Proposed and automated AI systems to identify 500+ broken links across internal web pages, reducing manual maintenance by 30%, and presented solution to cross-functional teamsInitiated & executed comprehensive analysis of 40,000+ tickets with Python/SQL, delivering actionable insightsPioneered analysis of ticket patterns & implemented MTTR strategies; Executing 15% faster response times	
Generative AI Developer Intern <i>TrueInfo Labs</i>	Feb. 2024 – Jul. 2024 <i>Chennai, TN</i>
<ul style="list-style-type: none">Collaborated with stakeholders to design and perform AI-driven content analysis with 97% accuracy by exploiting FFmpeg, Whisper, and GPT-4, visualized through a Streamlit interfaceSpearheaded initiatives to accelerate data processing by 25% with AI-driven OCR and Web scraping pipelinesTeamed up to refine data retrieval speed by 20% leveraging Selenium, BeautifulSoup, and MongoDB workflows	
ML Research Intern <i>VIT Chennai X Penn State University — link</i>	Jul. 2023 – Nov. 2023 <i>Chennai, TN</i>
<ul style="list-style-type: none">Innovated & steered cross-team Sentiment Analysis development on 100K+ reviews, achieving 88% accuracyCoordinated LSTM/GRU implementation, reaching 97% accuracy in Entity Recognition, surpassing baseline	
Data Engineer Intern <i>Relevantz Technology Services — link</i>	Feb. 2023 – Jul. 2023 <i>Chennai, TN</i>
<ul style="list-style-type: none">Conceptualized & deployed a churn prediction model for 200K+ customers, driving retention for 50+ SaaS clientsArchitected and implemented an Azure-based data architecture handling 1M+ daily events via Event Hubs, storing 10TB+ in ADLS Gen2, optimizing ETL processes with ADF, and delivering progress to stakeholdersEngineered and deployed an advanced churn prediction system using Lasso regularization, achieving 90% accuracy	

PROJECTS

<i>NeuroFraudGAN - Tailored NeuralNet for Credit Card Fraud Detection</i>	
<ul style="list-style-type: none">Initiated collaboration on synthesizing 100k+ credit card transactions using GAN to reduce class imbalance by 40%Orchestrated optimization of neural network architecture utilizing Auto-NAS, improving efficiency and scalabilityLed and Attained 96% accuracy & 0.97 AUC-PR in fraud detection through GridSearchCV-driven tuning with team	
<i>Data Visualization in Football</i>	
<ul style="list-style-type: none">Directed analysis of 10K+ player attributes, discovering high-impact KPIs (R2 Score = 0.87) for player scoutingWorked with teammates to create 500+ visualizations 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

EXTRACURRICULAR

- Domain Champion, Bajaj Finserv HackRx 3.0: Top 10 domain leaders to demonstrate solutions to Allianz CEOs
- Directed Microsoft Innovations Club & VIT Finance & Management club(s) initiatives
- Selected as a **Microsoft Learn Student Ambassador** (MLSA - Alpha) by Microsoft