SAI SRI DONEPUDI

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EXPERIENCE

Break Through Tech – *Cornell University*   **May 2025 – Present**
- Selected from 3000+ diverse applicants for the Break Through Tech AI Program
- Developed foundational skills in Machine Learning (ML) and Artificial Intelligence (AI) using industry relevant tools

HyperAnalytics – *Data Science/AI Intern*   **Oct 2024 – Present**
- Collaborating with a UK-based Web3 cryptocurrency startup to modernize high-volume transaction tracking by transitioning from manual spreadsheets to a scalable, custom-built analytics platform ensuring data security
- Designed scalable solutions and automated reporting pipelines using Python, and Linux, improving speed and accuracy
- Developed a custom Amazon Alexa Skill using AWS Lambda and Skill Kit, enabling voice-interactive, decision making for users

AI4ALL – *Ignite Accelerator Fellow (Lead Developer)*   **Aug 2024 – Mar 2025**
- Spearheaded the development of an AI-driven music recommendation system using unsupervised learning, clustering algorithms, and cosine similarity, improving recommendation accuracy and boosting user engagement by 20%
- Directed full project lifecycle: defined scope, delegated tasks, led Agile standups, and ensured timely delivery across a cross-functional team

Aurum Tek USA – *Software Engineering Intern*   **Feb 2023 – Aug 2024**
- Developed a cross-platform web application in React.js, reducing page load time by 30% and delivered an intuitive user experience across devices
- Integrated RESTful APIs and authored clear, reusable API documentation using Swagger, streamlining frontend-backend collaboration

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C++, SQL, HTML/CSS, PHP
Frameworks & Libraries: React, Flask, Scikit-learn, PyTorch, TensorFlow, ASP.Net Core
Tools & Platforms: Git, AWS, Pinecone, Langchain, Swagger, Linux, Docker, VS Code
APIs & Cloud: Rest APIs, AWS Lambda, AWS SageMaker AI, AWS Bedrock, AWS Cognito, OpenAI GPT

EDUCATION

University of North Texas – Denton, TX   **GPA: 3.6**
Bachelor of Science in Computer Science & Data Science   May 2026
Dean's List Recognition

The University of Texas at Austin – Austin, TX   **GPA: 4.6**
Post-Graduate Program in Artificial Intelligence and Machine Learning   May 2025

Top 10 % | Completed 6+ real-world AI/ML projects under mentorship from UT and Standford faculty

PROJECTS

Pet Health AI – Intelligent Pet Health Assistant   **Dec 2024 – Present**
- Developed an AI-powered full-stack web application to classify pet health queries as emergency or non-emergency using a Retrieval-Augmented Generation (RAG) pipeline and AWS
- Developed a backend using Flask and Langchain to integrate OpenAI GPT-4.1 with Pinecone for context-based response generation

Bank Churn Forcast – Lead Developer   **Sep 2023 – May 2024**
- Engineered robust data pipelines using Pandas, NumPy, and statistical analysis to preprocess financial data for insights
- Built a neural network-based churn prediction model using TensorFlow/Keras, improving recall to 85.8%
- Designed a responsive, user-friendly frontend in React, optimizing performance and usability across devices

RESEARCH & LEADERSHIP

Undergraduate Research Assistant – Intelligent Data Engineering and Analytics Lab   **Aug 2024 – Present**
- Designing and evaluating taxonomy construction algorithms using embedding quantization and large language models (LLMs) such as GPT, Claude, and DeepSeek

Treasurer – Data Science Organization   **Aug 2024 - Present**
- Managed budgeting and allocation of $5,000 in annual funds, ensuring financial transparency and responsible resource usages

CERTIFICATIONS

Post Graduate in Artificial Intelligence and Machine Learning – The University of Texas at Austin, McCombs   **Aug 2024 – May 2025**
- Developed an industry-ready portfolio under mentorship from world-class faculty (incl. Stanford & UT Austin PhDs)
- Key Modules: Python Foundations, Machine Learning, Advanced ML, Neural Networks, Generative AI with NLP, Computer Vision
- Built 6+ hands-on projects solving real business problems across industries