

Narasimha Sainikhil Marisetty

Dallas, TX | sainikhilmarisetty@gmail.com | 945-237-2198 | [linkedin.com/in/nikhil-marisetty](https://www.linkedin.com/in/nikhil-marisetty) | github.com/sainikhil1611

Education

University of Texas at Dallas, BS in Computer Science

May 2027

- **Relevant Coursework:** Data Structures and Algorithms, Software Engineering, Probability and Statistics in CS, Computer Science II, Systems Programming, Computer Architecture
- **Achievements:** Dean's List Recipient, UTD Top 10% Scholarship, Robert Best Scholarship, HackAI Winner, HackRice Winner
- **Organizations:** ACM, AIS, Nebula Labs, Comet Robotics, UTDesign, TiE Dallas

GPA: 4.0

Technologies

Languages: Python, Java, JavaScript/TypeScript, Node.js, C++, C#, SQL, PHP, MIPS

Backend Development: MySQL, PostgreSQL, Prisma, MongoDB, Supabase, REST APIs, GraphQL, Postman

Libraries and Frameworks: FastAPI, Flask, Express.js, Chart.js, Spring, Spring Boot

Frontend Development: HTML, CSS, Tailwind CSS, React.js, Next.js, React Native, Expo, Flutter, Swift, Streamlit

AI : PyTorch, Scikit-learn, Langchain, OpenCV, Mediapipe, LlamaIndex, LangGraph, MCP, Hugging Face, Prompt Engineering

Data : R, MATLAB, PySpark, Pandas, NumPy, SciPy, Power BI, Tableau, Matplotlib, Excel, Snowflake, Databricks, Beautiful Soup

Other: AWS (IAM, EC2, S3, RDS, Lambda, Bedrock, Sagemaker, etc), Git, GitHub, Linux, Docker, Agile, Scrum, Unity, Office 365

Work Experience

AI Engineer Intern, NRVE – Dallas, TX

June 2025 – Aug 2025

- Integrated an open-source AI music generation model (**DiffRhythm**) into the company's MVP using **Python, PyTorch, and Hugging Face**, enabling users to generate **custom tracks in under 10 seconds**, cutting creation time by **80%**.
- Developed a personalized **AI Chatbot** using the **Gemini API** that uses past user interactions as data points to provide tailored responses, **boosting user engagement by 35%**.

Software Engineer Intern, Cohort Science – Dallas, TX

Jan 2025 – May 2025

- Led a **15-intern team** to build a data-driven analytics platform for universities, enabling the processing of **50,000+ student records** to uncover insights on enrollment and retention.
- Developed **3** interactive dashboards with **Next.js, React, Tailwind**, and **Chart.js**, improving client reporting speed by **60%**.
- Aggregated data by implementing **automated web scraping** from **10+ university sources**.

Projects

CoachVision.ai (mycoachvision.com)

June 2025

- Built a platform that provides **personalized feedback** on sports form by analyzing uploaded performance videos. Processed **100+** demo videos across **8 sports** using **OpenCV** and **MediaPipe**, generating pose landmarks with **95% accuracy** on key joints.
- Developed an end-to-end MVP (**Python, FastAPI, and Amazon S3**) showcased to **10+ early users**, validating product-market fit for athlete training.

EpicRAG (devpost.com/software/epicrag)

April 2025

- Developed a **multi-modal (RAG) framework** that analyzes **financial documents up to 500+ pages**, extracting text, tables, and images for insight generation. Implemented hybrid chunking and embeddings (**BAAI/BGE-M3 + OpenAI CLIP**), achieving **30% higher retrieval accuracy** vs. text-only baselines.
- Built advanced features including **citation tracking, confidence scoring, and a financial calculator**, designed to reduce manual analysis time for contracts by **70%**.

Certifications

- AWS Certified Solutions Architect
- AWS Certified AI Practitioner
- Oracle Certified Associate, Java SE8 Programmer
- Hugging Face Certified, AI Agents Fundamentals
- Hugging Face Certified, Fundamentals of MCP
- AT&T 2025 Technology Academy Participant