Vedala Anirudh

Engineering Student | Data Science and Backend Enthusiast

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Skills

Languages: Python, Java, C++
DS Stack: PyTorch, TensorFlow, Keras, Sklearn, Hugging Face, Pandas, NumPy, Polars, ZenML (MLOps), imbalanced-learn
Frontend (Product Integration): Next.js (routing + shadcn/ui)
Backend Stack: FastAPI, SQLAlchemy, REST API, Webhooks, Websockets
Databases: PostgreSQL, Redis, SQLite, MongoDB Atlas, SAP HANA Cloud
Tools & Platforms: Docker, Git, SAP Data Intelligence, Google Colab
Core Competencies: Data Science, Computer Vision, Backend Development, ML Deployment

Experience

Full Stack Python Developer - AICTE | Onsite - Visakhapatnam, AP   May 2025 - Ongoing
- Thought basics and solidified foundations of Python, HTML and CSS along with bootstrap, JQuery and Django.
- Assigned to build a Python backend based full stack application - encrypt-bytes

AI Developer Intern - Viswam.ai (Meta & IIIT-H supported) | Remote - Hyderabad, TG   May 2025- June 2025
- Gaining exposure to data engineering workflows and indigenous LLM development.
- Independently contributed 3 document for their open-source LLM training, despite lack of team assignment or structured communication.

Education

Dr Lankapalli Bullayya College of Engineering – Visakhapatnam, AP   2022 – 2026
B Tech in Computer Science Engineering | 8.18/10

ST Aloysius PU College – Mangalore, KA   2020 – 2022
Science - Physics, Chemistry, Maths and Statistics (PCMS) | 64.67%

Projects

Deepfake Detection SQLite, FastAPI, NextJS, BunJS, Pytorch   github.com/deepfake
- Multimodal deepfake detector leveraging PyTorch (EfficientNet, Temporal CNN, YOLO, Qwen3, Nomic embeddings). FastAPI backend, Next.js (BunJS) frontend, SQLite storage.

Hash bytes NextJS, FastAPI, SQLite, Bun.js   github.com/hash-bytes
- An educational full stack web application which quickly encrypt and decrypt any content using different cryptographic algorithms and cipher modes along with explanations.

Url-shortner Spring boot, Flask, MySQL, Docker   github.com/url-shortner
- A responsive URL shortener built using Spring Boot and Flask microservice backend with persistent MySQL database that uses UUID and Base62 conversion reducing URL length upto 80% ensuring non collision.

Co-curricular

NASA Space Apps Challenge - Global Space Challenge
- Developed NextJS website with FastAPI backend which uses joblib dumped ML models which take in planetary input and classify whether it is a planet, candidate or not confirmed. github.com/nasa

HackAP Hackathon - Hackathons conducted by Andhra University's A-Hub
- Vue based Web app to search LinkedIn profiles with 10+ years of experience in a domain. github.com/vue
- Developed an Android app to detect outsiders/trespassers entering residential zone. github.com/kotlin

Forage - Virtual Job Simulations
- Walmart Advanced Software Engineering Virtual Experience Program
- J.P. Morgan Software Engineering Virtual Experience