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Profile Summary

Hands-on experience in AI/ML and software engineering, focusing on developing deep learning models, intelligent systems, and backend solutions using FastAPI and Django. Skilled in problem-solving, data-driven development, and building scalable applications within Agile environments.

Technical Skills

Programming Languages: Python, Java, SQL

Frameworks & Libraries: Django, FastAPI, TensorFlow, Netmiko, LangChain

AI/ML Skills: Transformer Models, Generative AI, Agentic AI, RAG

Software Engineering: DSA, OOPs, REST APIs

Developer Tools & BI: Git, VS Code, Power BI, Tableau, Excel

Soft Skills: Leadership, Communication, Teamwork, Mentorship

Experience

Stacknets

August 2025 – Present

Software Engineer Intern

Remote (Eindhoven, Netherlands)

- Contributing to **R&D projects** focused on AI and automation, enhancing overall system performance by 15%.
- Experimenting with **large language models (LLMs)** and **Hugging Face Transformers** to develop intelligent backend components, improving response accuracy by 20%.
- Building scalable **Python backends** with **Netmiko** and REST APIs to support network-oriented data processing.

Wisework

Oct 2024 – Apr 2025

Software Engineer Intern

Remote

- Tested production apps like HuePlay, identifying 10+ usability issues and improving UI responsiveness by 20%.
- Developed a healthcare chatbot integrating **AI-driven NLP models** with FastAPI, applied **model evaluation & optimization** for deployment.
- Collaborated in Agile sprints, achieving **100% task completion** and boosting feature delivery speed by 30%.

Projects

EduNet – Secure Learning Forum with AI Plagiarism Detection | *FastAPI, Firebase* | [GitHub](#)

July 2025

- Developed a **secure student-teacher Q&A portal** with role-based access, supporting **100+ users**.
- Integrated **transformer-based NLP (Hugging Face)** for plagiarism detection and content moderation, achieving **90%+ accuracy**.
- Built a **FastAPI Backend** with AES encryption and activity logging, serving in collaboration with a frontend teammate.

MediAssist – Medical Chatbot | *FastAPI (Backend), NLP* | [GitHub](#)

Mar 2025

- Developed the **FastAPI backend** to handle medical queries, ensuring fast and reliable responses.
- Implemented NLP techniques to interpret user inputs, achieving **90%+ accuracy** in understanding medical questions.

Google Stock Price Prediction with LSTM | *TensorFlow, Deep Learning* | [GitHub](#)

Oct 2024

- Trained and deployed a **LSTM neural network** for Google stock forecasting, achieving **85%+ accuracy** on **5 years of daily data**.
- Applied **numerical modeling and optimization** to improve prediction stability and support data-driven investment decisions.

Education

B.Tech. in Computer Science and Engineering, VIT-AP University, Andhra Pradesh
CGPA: 8.0/10

Sept 2022 – Apr 2026

12th, Telangana State Board of Intermediate Education (TSBIE)
Percentage: 95.4%

2022

Certifications

Microsoft Azure Fundamentals (AI-900) – [View Certificate](#)

AWS Cloud Foundations – [View Certificate](#)

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional – [View Certificate](#)

Leadership & Achievements

- As **Director & Club Advisor** of the Club, organized **machine learning events** with over **5,000+ participants annually**, and led the club to win the **Best Technical Club Award** at VIT-AP University.
- Organized and managed large-scale university events, including **TEDxVITAP**, **VITopia 2024 & 2025** (Annual Cultural Fest with **18,000+ attendees**), and the **VTAPP Tech Fest 2023 & 2024** (with **10,000+ participants**).
- Secured **4th place** out of **300+ teams** as a **Top 6 finalist** at the **Google Devs Sprint 2K25 Hackathon** hosted by **Google Cloud**.

Research Work

Intelligent Precision Agriculture System using LoRa-based IoT and AI

In Progress

Technologies: ESP32, LoRa (SX1278), Firebase, Python, XGBoost

- Designing a scalable **IoT-based precision agriculture system** for real-time monitoring of soil and environmental conditions using ESP32 and LoRa communication.
- Developing **AI-driven analytics** with XGBoost to forecast irrigation needs, optimize water usage, and enhance crop productivity.