

MEGHANA NAIDU T

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EDUCATION

Vellore Institute of Technology, Amaravathi

2022 – Present

B-Tech in CSE Core | 9.23 CGPA

Deeksha PU College, Bangalore

2020 – 2022 | PCMC | 95.16%

Carmel School (ICSE), Bangalore

2008 – 2020 | ICSE | 95.1%

LANGUAGES

• English - C2 • Telugu - C2 • Kannada - C2 • Hindi - B2 • Turkish - A1 • French - A1

CERTIFICATES

AWS Cloud Practitioner (July 2024)

Attained ability to analyze, deploy and operate AWS services, and adhere to AWS best practices.

Excel & Power BI – Finlatics (April 2025)

Oracle Cloud Infrastructure Generative AI-Professional (July 2025)

Acquired skills in building and deploying LLM applications using OCI services.

IDS Blockchain Certification (July 2025)

Full Stack Web Development– Udemy (ongoing)

ACHIEVEMENTS

- **Founder and President**, Book Buzz Club, VIT AP
Aug 2023- Present
- Accomplished Top 5 in 'Hack AP Hackathon' of 18 teams
- Won Special Mentions in
- **VLaunch- National Business Pitch Program**
- **Winners**, 1st prize- in VitAura Business Pitch
- Achieved Rajya Puraskar in Bharath
- **Scouts and Guides**
- Hosted **WIE Program** in IEEE Conference
- Presented at **IBS Global Pitch**

TECHNICAL TOOLKIT

Languages & Databases: Java, Python, R, MySQL, Firebase

Frontend: HTML, CSS, JavaScript

Backend & Frameworks: Spring Boot, Hibernate JPA, RESTful APIs

Deep Learning & NLP: TensorFlow, PyTorch, Keras, SciKit-Learn, Hugging Face Transformers, NLTK, Seaborn

System Design: OOP, SOLID Principles, MVC Architecture, Design Patterns, Data Structures and Algorithms

Deployment & DevOps: GitHub Pages, AWS (Certified), Git Data

Tools: Power BI, Excel (Advanced), Tally

PROJECTS

News Summarization using Deep Learning and NLP

March 2025

- Developed a text summarization model employing NLP and TensorFlow/ Keras on 10,000+ news articles.
- Established data preprocessing module with spaCy and regex, reducing noise by 40% through tokenization and rare word filtering.
- Implemented word embeddings and sequence padding, improving BiLSTM model convergence speed by 25% and enhancing summary coherence scores by 30%

AI-Generated Text Detection Using DistilGPT-2 and BERT

February 2025

- Collaborated on developing and evaluating generative (DistilGPT-2) and discriminative (BERT) transformer models to categorize AI-generated vs. human written text, achieving 99% accuracy.
- Utilized Hugging Face Transformers, PyTorch, and NLTK in Python on high performance systems; fine-tuned models using custom tokenization, cross-entropy loss, and AdamW optimizer, improving training efficiency by 30%.
- Applied linguistic metrics like perplexity, readability, and burstiness—boosting interpretability and model confidence validation accuracy by 25%.

On-Demand Roadside Legal & Insurance Services Platform,

HackAP Hackathon Project | Blockchain & Payments Developer

September 2024

- Developed a secure escrow payment system on Ethereum using Remix IDE, achieving 100% transparency in legal transactions.
- Integrated MetaMask and Ganache to accelerate on-chain processes by 40%.
- Collaborated with a 4-member team to add features like competitive bidding for lawyers, geo-based lawyer matching via Google API, that filters lawyers based on 5,10,15 km and AI chatbot support, and Firebase-based data storage—cutting client wait times by 75%.

Smart Split

May 2024

- Formulated a robust Java application using MVC architecture and Spring Boot JPA, structuring over 3,000 lines of code for scalable enterprise use.
- Incorporated password encryption using BCrypt leading to a 90% drop in potential security loopholes.
- Strengthened enterprise development skills through hands-on experience in modular design, secure coding, and RESTful service integration

Hardware & IoT Projects – Arduino & Raspberry Pi

November 2023

- Spearheaded a team of 6 to build and deploy 2 real-time systems: a Smart Stick for the Visually Impaired and a Driver Drowsiness Detection System.
- Achieved 95% obstacle detection accuracy and 90% drowsiness prediction accuracy using ML, Arduino, Raspberry Pi, and real-time signal processing.