Meghana Naidu T

Software Development Engineer

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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%

Certificates

AWS Certified Cloud Practitioner (Jul 2024)
Attained ability to analyze, deploy and operate AWS services, and adhere to AWS best practices.

Excel & Power BI – Finlatics (2024)

IDS Blockchain Developer (2025)

Full Stack Web Development–Udemy (ongoing)

Languages

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

Achievements

- **Founder and President**, Book Buzz Club, VIT AP
  Aug 2023- Aug 2025
- 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**

Profile

Aspiring Software Developer with strong Java and Python skills, specializing in backend development, cloud deployment (AWS Certified), and AI/ML. Seeking an entry-level SDE role to contribute to real-world projects and grow through continuous learning.

Skills

Technical Toolkit

Languages: Java, Python, SQL, HTML/CSS, R Data Analytics
Low-Level Design: OOP, SOLID, MVC architecture, Design Patterns, Data Structures and Algorithms
Frameworks & Libraries: Spring Boot, Hibernate JPA, TensorFlow, PyTorch, Hugging Face, Seaborn, Keras, SciKit-Learn, NLTK, Transformers
Cloud & DevOps: AWS (Certified), Git/GitHub, Google Colab
Other Tools: Power BI, Tally, Excel (Advanced)

Soft Skills

• Interpersonal Skills • Strong Collaborator • Leadership • Proactive Learner • Problem Solving • Public Speaking

Projects

News Summarization using NLP & Deep Learning
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, optimizing vocabulary applying tokenization and rare word filtering.
- Implemented word embeddings and sequence padding for refined text representation and trained a bidirectional LSTM model.

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.
- Incorporated Hugging Face Transformers, PyTorch, and NLTK in Python on high-performance machines; implemented custom tokenization, cross-entropy loss, and the AdamW optimizer for fine-tuning and optimal performance.
- Integrated linguistic metrics (e.g., perplexity, readability, burstiness) to enhance interpretability and validate prediction confidence.

On-Demand Roadside Legal & Insurance Services Platform,
HackAP Hackathon Project | Blockchain & Payments Developer
September 2024
- Developed a secure escrow payment system utilizing Ethereum smart contracts on Remix IDE to achieve 100% transparency in legal transactions.
- Integrated MetaMask wallet and Ganache to expedite on-chain transactions by 40% for legal and insurance services.
- Collaborated with 4 member team to incorporate other attributes of the project including a bidding system for lawyers, a location-based matching system using Google API Geo-Location and an AI-chatbot.

Smart Split
May 2024
- Formulated a robust software in Java using the MVC architecture and Spring Boot JPA.
- Incorporated key features including password encryption.
- Enhanced practical skills and acquired profound understanding of enterprise-level software development.

Hardware & IoT Projects – Arduino & Raspberry Pi
November 2023
- Spearheaded a team of 6, constructed and deployed two real-time systems: a Smart Stick for the Visually Impaired and a Driver Drowsiness Detection System, by integrating machine learning logic with sensor data leveraging Arduino, Raspberry Pi, and real-time signal processing.