

# Mogasala Hemagiri

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## Education

**Bachelor of Technology in Artificial Intelligence and Data Science** 2021 - 2025  
*JNTUA University*, Andhra Pradesh, India

CGPA: 8.9

*Relevant Coursework:* Artificial Intelligence, Data Science, Machine Learning, Internet of Things, Python Programming

## Technical Skills

- **Programming Languages:** Python, Java, HTML, CSS, JavaScript, Bash
- **AI/ML Frameworks:** TensorFlow, PyTorch
- **Key Domains:** Artificial Intelligence, Natural Language Processing (NLP), Cybersecurity, Blockchain, Ethereum Smart Contracts
- **Operating Systems:** Windows, Ubuntu, Linux
- **Soft Skills:** Communication, Critical Thinking, Team Management, Time Management, Analytical Thinking

## Projects

### Blockchain Insider Bot

Developed a bot to monitor blockchain networks and analyze Ethereum smart contract activity, providing real-time insights.

**GitHub:** [github.com/MogasalaHemagiri/blockchain-insider-bot](https://github.com/MogasalaHemagiri/blockchain-insider-bot)

**Tech Stack:** Python, Blockchain APIs, Ethereum Smart Contracts

### LSTM-Bot

Created an intelligent bot using LSTM networks, enhanced with NLP for chat automation and sequential data tasks.

**GitHub:** [github.com/MogasalaHemagiri/Lstm-bot](https://github.com/MogasalaHemagiri/Lstm-bot)

**Tech Stack:** Python, TensorFlow, LSTM, NLP

### Terramind

Built an AI-driven framework to simulate cognitive processes, focusing on dynamic data insights.

**GitHub:** [github.com/MogasalaHemagiri/Terramind](https://github.com/MogasalaHemagiri/Terramind)

**Tech Stack:** Python, PyTorch, Artificial Intelligence

## MixedLLM

Designed a hybrid LLM integrating multiple models for advanced text generation and NLP tasks.

**GitHub:** [github.com/MogasalaHemagiri/Mixedllm](https://github.com/MogasalaHemagiri/Mixedllm)

**Tech Stack:** Python, PyTorch, NLP, Artificial Intelligence

## AI Code Review System

Engineered an AI-powered tool to automate code reviews, detecting bugs and optimizing code quality.

**GitHub:** [github.com/MogasalaHemagiri/ai-code-review-system](https://github.com/MogasalaHemagiri/ai-code-review-system)

**Tech Stack:** Python, TensorFlow, Artificial Intelligence

## Health Chatbot

Implemented a health-focused chatbot using NLP and deep learning for accurate user interactions.

**GitHub:** [github.com/MogasalaHemagiri/Health-chatbot](https://github.com/MogasalaHemagiri/Health-chatbot)

**Tech Stack:** Python, NLP, Deep Learning

## Experience

### Cybersecurity Intern

Jan 2024 - Apr 2024

*Palo Alto Networks, India*

- Developed a project to detect anomalies in enterprise-level networks using AI-based cybersecurity techniques.
- Enhanced network security protocols for improved threat detection.

### ChatGPT/Gen AI Intern

Apr 2024 - Jul 2024

*APSCHE, India*

- Built a deep learning-based Prompt Generator for LLMs with 94% response accuracy.
- Optimized generative AI workflows with NLP and ChatGPT integrations.

## Certifications

- **EC-Council:** Certified Ethical Hacking Essentials, Cloud Security Essentials, Network Defense Essentials
- **AWS:** Cloud Architect, Cloud for AI Deployment
- **edX:** Cybersecurity (IBM), Python for AI (Stanford)
- **NPTEL:** Python for Data Science, Internet of Things

## Achievements

- Open-Source Contributor at Hugging Face (LLM Optimizer Project)
- Conducted independent research in cybersecurity and blockchain
- Strong academic performance with a 8.9 CGPA in AI and Data Science

## Hobbies

- Exploring advancements in AI, blockchain, and cybersecurity
- Traveling, Music, Gaming
- Developing innovative tech solutions

## IEEE Paper published

-Paper Title: A Smart Prediction of Cardiovascular Diseases with Optimized Features with Ensemble Classifiers