

MOHAN SAI SEETHA

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SUMMARY

Final year computer science student with a strong computer science background, specializing in building scalable web applications. Proficient with Python, Java, React, Spring Boot, and MySQL, delivering scalable applications and end-to-end intelligent systems. Proven through projects from news aggregators to ML models, with a focus on performance and clean architecture.

EDUCATION

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

Bachelor of Technology in Computer Science (AIML) CGPA: 8.9/10.0

Rajahmundry, AP

Expected Apr 2026

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Databases, Computer Networks, Machine Learning

SKILLS

Programming: Python, Java, JavaScript

Frameworks & Libraries: React, Spring Boot, Node.js, Express.js, PyTorch

Databases: MySQL, MongoDB

Developer Tools: Firebase, Github, Postman

WORK EXPERIENCE

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

Research Intern

Rajahmundry, AP

Dec 2024 – Mar 2025

- Predicted land use with 91% accuracy using satellite imagery, GIS, and Markov chains
- Achieved 94.6% accuracy in plant disease prediction analyzing 30,000+ images with machine learning
- Presented impactful research findings to faculty, enhancing departmental agricultural studies

PROJECTS

Feed Focus - News Aggregator | React, Spring Boot, MongoDB

[Github](#) | [Live](#)

- Built a scalable news aggregator that processes 10K+ daily articles from 150+ RSS feeds using cron jobs
- Delivered 90% content relevancy by implementing user-driven topic-based feeds leveraging article metadata
- Accelerated API response times by 70% through query optimization, caching, and efficient pagination

Movie Vault - Personalized Movie Journal | React, Express.js, MongoDB, Scikit-Learn

[Github](#) | [Live](#)

- Developed a full-stack movie journal enabling users to log, search, and track watch history for 1M+ movies
- Implemented personalized recommendations using Jaccard similarity, achieving 92% precision on users
- Enhanced search speed by 75% through API response optimization, caching, and pagination

Cryptocurrency Price Forecasting | PyTorch, Scikit-Learn, Pandas

- Built a Multi-scale Attention + LSTM model to predict price for 15 cryptocurrencies using 10 years of hourly data
- Leveraged RSI, EMA, MACD, Bollinger Bands with an attention-driven architecture for accurate forecasting
- Achieved 4.12% NRMSE and 94.5% R^2 on 1.3M+ data points with OHLCV data

ACHIEVEMENTS

- Scored a rank of 7400 among 1.5 lakh candidates in the GATE 2025 examination
- Earned 1st Place (2024) and 2nd Place (2023) in Medha, GIET's annual web development competition

CERTIFICATIONS

- Certified in Oracle Cloud Infrastructure 2025 Generative AI Professional
- Secured 86% (Elite + Silver) in Data Structures & Algorithms (Java) from NPTEL
- Secured 85% (Elite + Silver) in Cloud Computing from NPTEL