

Lokesh Boddapu

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Education

Gayatri Vidya Parishad College of Engineering (Autonomous)

CGPA: 8.44 (through Semester VI)

Bachelor of Technology - Computer Science and Engineering

October 2022 – April 2026

- **Specialisation:** Artificial Intelligence and Machine Learning
- **University Affiliation:** Andhra University
- **Relevant Coursework:** Machine Learning, Deep Learning, Database Management Systems, Data Structures and Algorithms, Natural Language Processing, Object-Oriented Programming

Experience

Python Developer Intern

Remote

Infotact Solutions

May 2025 – July 2025

- Built an automated file organizer using Python's os and shutil modules.
- Developed an intuitive GUI interface improving user experience significantly compared to command-line alternatives.
- Implemented comprehensive error handling and logging, achieving reliability in file operations.

AWS AI-ML Virtual Internship

Remote

AICTE-EDUSKILLS

April 2025 – June 2025

- Built a serverless college FAQ chatbot using AWS Lambda (backend logic), API Gateway (secure API endpoint), and Amazon DynamoDB for data management.
- Developed a custom HTML user interface that connects to the chatbot backend via API Gateway, secured with API keys for authorized access.
- Deployed and delivered the chatbot web application globally using AWS CloudFront, ensuring low-latency and highly available access for end users.

Projects

Timetable Generator | Python, Genetic Algorithms, Django

GitHub

- Developed a web-based timetable generator for academic departments with genetic algorithm for conflict-free class scheduling.
- Modeled and streamlined CRUD data workflows for faculty, courses, rooms, and timeslots using Django ORM and ModelForms.
- Incorporated scheduling constraints (hard and soft) to optimize resource usage and scheduling fairness.

ML Algorithm Comparison and Insight Tool | Machine Learning, EDA, Flask

GitHub

- Built a Flask application where users can upload their dataset for comprehensive exploratory data analysis (5+ analytics).
- Enabled code-free machine learning by integrating 5 classification and 5 regression algorithms, featuring problem type inference based on the selected target attribute.
- Added user controls to adjust the training/test split, and configure cross-validation —empowering users to fine-tune model evaluation and performance.

Skills

Programming Languages: Python, Java, SQL, C/C++

AI Technologies: Machine Learning, Data Analysis, Natural Language Processing, Genetic Algorithms

Libraries and Frameworks: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, TensorFlow, NLTK, Django

Databases: PostgreSQL, MySQL (RDBMS)

Soft Skills: Problem Solving, Self-Learning, Presentation, Adaptability, Team Collaboration, Agile Practices

Achievements

National Semifinalist in Tata Imagination Challenge 2024

Tata Group

Advanced to the national semi-finals (top 2.3%) by excelling in aptitude and gamified situation handling rounds.

2024

Positions of Responsibility

Captain, College Basketball Team

GVPCE(A), Visakhapatnam

Led the first-time participating team to semi-finals of the AU Inter-College Tournament.

2023–2024

Head Organizer, Intra-College Basketball Tournaments

GVPCE(A), Visakhapatnam

Organized and managed tournaments involving 100+ participants.

2023–2024

Interests & Activities

Competitive Programming

Solved 250+ problems across platforms like LeetCode, GFG and CodeChef.