BOLLEBOINA ADITYA YADAV

ASPIRING ARTIFICIAL INTELLIGENCE DEVELOPER

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SKILLS

- **Languages**: Python, JavaScript, SQL
- **Web Technologies**: Node.js, Express.js, React.js, HTML5, CSS3
- **Machine Learning**: Scikit-learn, Pandas, NumPy, Matplotlib
- **Tools**: Git, Docker, Jupyter
- **Databases**: MySQL, MongoDB
- **Other** : Problem Solving, Collaboration

EDUCATION

B.Tech, Computer Science, 2022- 2026
Specialization : CSE(CORE)
Woxsen University, India

CGPA: 8.4/10

CERTIFICATIONS

- Data Structures - Coursera
- Exploratory Data Analysis for Machine Learning-Coursera
- Introduction to Artificial Intelligence - Coursera
- Introduction to NoSQL Databases - Coursera
- Introduction to Web Development - Coursera

PROFESSIONAL SUMMARY

A highly motivated and detail-oriented Computer Science undergraduate skilled in coding, full-stack development, AI, and data analytics. Adept at solving complex problems through innovative and practical solutions. Passionate about continuous learning and contributing to impactful, tech-driven projects.

KEY PROJECTS

AI Hand Sign Translator

Tech Stack: Python, OpenCV, Mediapipe, Random Forest Classifier, SpeechRecognition.

August 2023 - November 2023

- Developed a real-time sign language translation system using computer vision and machine learning to recognize hand gestures.
- Integrated live speech and subtitle generation for seamless translation of sign language into real-time audio and subtitles.
- Deployed an AI-powered assistive technology prototype, showcasing expertise in machine learning and full-stack development.

Lost and Found Platform

Tech Stack: React.js, Bootstrap, HTML, CSS, JavaScript, Node.js, Express.js, MongoDB

January *2024 - March 2024*

- Developed and deployed a full-stack web application to manage lost and found items, handling the entire development lifecycle from concept to deployment.
- Engineered robust features including user authentication, secure image uploads, and an intuitive item tracking system.
- Implemented role-based access control to streamline lost property management and improve administrative efficiency.

Forecasting Stock Prices with Python

Tech Stack: Python (Pandas, NumPy, Matplotlib, statsmodels), ARIMA Model, Kaggle datasets.

December *2025 - April 2026*

- Developed and validated a time series forecasting model using Python to predict stock market trends, leading to enhanced predictive accuracy.
- Engineered and implemented ARIMA and Moving Average models, leveraging extensive historical price and volume data.
- Conducted comprehensive data preprocessing, visualization, and performance evaluation using metrics like MAE, MSE, and RMSE to ensure model robustness and reliability.

INTERESTS

- Competitive Coding
- Tech Blogging/Reading
- Team Sports

LANGUAGES

- English-Intermediate
- French-Intermediate
- Telugu-Fluent
- Hindi-Intermediate

ACHIEVEMENTS

- Achieved recognition as a Finalist in Hard War 2.0, an international hardware competition involving 110 global teams.
  - Successfully advanced through rigorous ideation and execution phases.
  - Developed a prototype that received expert evaluation from judges, including Dr. Harish Chandra Karnatak.
- Demonstrated exceptional academic proficiency by scoring 100/100 in Discrete Mathematics.
  - Showcased a strong foundational understanding of mathematical concepts critical for Computer Science.