

Abhinav Duddala

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About

Ambitious undergraduate pursuing a degree in Artificial Intelligence and Data Science with a solid background in programming languages such as Python and Java and a strong passion for data analysis. Skilled in Developing applications using data and machine learning concepts and having hands-on experience with Amazon Web Service and Web Technologies and eager to apply statistical and machine learning algorithms and improve my skills in AI and Data Science.

Education

Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad-B.E. in Artificial Intelligence and Data Science (2023-2027)

Relevant courses: Machine Learning,, Computer Networks, Database Management Systems, Data Structures and Algorithms, Data Analytics

CGPA:8.57(currently in 3rd year)

Narayana Junior College, Narayanaguda, Hyderabad-12th in Science

Grade:9.66/10

Bharatiya Vidya Bhavan's Atmakuri Ramarao School, Jubilee Hills, Hyderabad-Class 10

Grade:9.17/10

Skills

Java, Python, R, Problem Solving, Web Technologies, AWS, SQL, Data Analysis, Statistical Analysis, Machine Learning

Leadership & Activities

- Contributed as Design Head for *AgentForce* club.
- Currently contributing as Photography Head for the same.

Certifications

- **Oracle Cloud Infrastructure**
- Elite NPTEL certification in **Data Science for Engineers**.
- **Salesforce** certified Agentforce specialist

Projects

School Dashboard (*React.js, FastAPI*)

Built a school management system using React.js and FastAPI, enabling attendance, fee monitoring, and library record handling by teachers, students, and administrators.

Smart Surveillance System (*NumPy, Pandas, OpenCV, MediaPipe, Streamlit*)

- Designed and implemented an AI-driven system to analyze real-time visual data for human detection, posture estimation, and activity recognition using computer vision techniques.
- Performed feature extraction from video streams to identify events such as falls, crowding, inactivity, and abandoned objects.
- Built data-driven alert mechanisms and interactive analytical dashboards to visualize activity patterns and support real-time decision-making.

