

ABHISHEK MANDA

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EDUCATION

University College of Engineering, Osmania University <i>Bachelor of Engineering in Computer Science and Engineering - CGPA: 7.51</i>	Hyderabad, IN <i>Nov 2022 – May 2026</i>
Telangana Social Welfare Junior College <i>Telangana State Board of Intermediate Education - Percentage: 94%</i>	Sangareddy, IN <i>Jun 2020 – May 2022</i>
Telangana Social Welfare School <i>Secondary School Certificate - CGPA: 10</i>	NagarKurnool, IN <i>Jun 2019 – May 2020</i>

EXPERIENCE

Undergraduate Research Intern <i>Center of Excellence AIML, Osmania University</i>	May 2025 – Sep 2025
<ul style="list-style-type: none">Designed and implemented a Federated Learning framework enabling collaborative purchase analysis across retailers without data sharing.Applied privacy-preserving techniques (Differential Privacy & Secure Aggregation) to ensure data confidentiality.Achieved 93% model accuracy with strong privacy compliance and analytical efficiency.	

PROJECTS

StockCast <i>Python, TensorFlow, NumPy, Pandas, Matplotlib, scikit-learn, yfinance, Tkinter</i>	Jan 2025
<ul style="list-style-type: none">Developed a GRU-based stock price prediction system achieving 94.8% accuracy for 5-day forecasts.Implemented real-time data fetching from Yahoo Finance, applied scaling + sliding window preprocessing, and optimized model training.Designed an interactive Tkinter GUI to display predicted prices, performance metrics (RMSE, MAE, R², MAPE), and visual graphs of actual vs predicted trends	
BookMart <i>PHP, MySQL, HTML, CSS, JavaScript</i>	Jun 2025
<ul style="list-style-type: none">Implemented features including user registration/login, product catalog, search functionality, shopping cart, and order checkout with a secure admin panel for managing books, orders, and users.Built secure authentication and authorization system for both customers and admins.Integrated shopping cart and order processing with database persistence.Designed and styled a responsive front-end using HTML, CSS, and JavaScript for enhanced user experience.Created admin dashboard for product, order, and user management.	

TECHNICAL SKILLS

- Languages:** Java, Python, C
Web Development: HTML, CSS, JavaScript
Databases: Oracle SQL, MySQL
Relevant Coursework: DSA, OOP, DBMS
Developer Tools: Git, GitHub, Visual Studio
Libraries: pandas, NumPy, Matplotlib

CERTIFICATIONS

- Java** – HackerRank
SQL (Database) – HackerRank
Data Structures and Algorithms – Smart Interviews

EXTRACURRICULAR ACTIVITIES

- Elite Member** – Google Developers Group UCEO
Chess Enthusiast – Regularly participate in online and local chess tournaments to strengthen strategic thinking and decision-making skills.