





Bontha Vennela

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Career Objective

Aspiring software developer with expertise in Machine Learning, Deep Learning, and the MERN stack. Passionate about building innovative web applications and solving real-world problems through technical expertise. Seeking an opportunity to contribute in a collaborative environment.

Education

Vignan's Institute of Management and Technology for Women, B.Tech in AIML (Nov 2021 – Aug 2025)

Relevant Coursework: AI, ML, Deep Learning, NLP, DSA

Rise Junior College, Intermediate in MPC (Jun 2019 – Mar 2021)

Relevant Coursework: Mathematics, Physics, Chemistry

Zilla Parishad High School (Jun 2018 – Apr 2019)

Relevant Coursework: Science, Mathematics, English

Internship

AI: Transformative Learning, Edunet Foundation (Nov 2024 – Jan 2025)

- Developed an automated attendance system using Python, OpenCV, and CNN, achieving high accuracy in face detection and recognition.
- Built a user-friendly interface with Tkinter and utilized Pillow for image processing to enhance usability.
- Streamlined attendance tracking by integrating a database for real-time storage and retrieval of records, reducing manual effort by 80

Projects

Airbnb Clone Website (GitHub Link)

- Developed a full-stack Airbnb clone using the MERN stack to simulate a real-world booking platform.
- Implemented key features like user authentication, property listings, booking functionality, and real-time search filters.
- Designed a responsive and interactive user interface, ensuring seamless user experience across devices.
- Optimized database queries to enhance performance, reducing response time by 40
- **Tools Used:** MongoDB, Express.js, React.js, Node.js

Weather Forecasting Application (GitHub Link)

- Developed a real-time weather forecasting application, integrating OpenWeatherMap API for live updates.
- Provided users with accurate temperature, humidity, and condition reports.
- Implemented MySQL for data storage with basic user authentication for security.
- **Tools Used:** Java, Spring Boot, JavaFX, OpenWeatherMap API

Technologies

Programming Languages: Python, Java, C

Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS, JavaScript

Tools Platforms: Git, GitHub, VS Code, MS Office

Achievements

- Successfully completed an internship on AI: Transformative Learning with TechSaksham, a joint CSR initiative by Microsoft and SAP, implemented by Edunet Foundation.
- Earned MERN Stack Development Certification from Apna College, showcasing expertise in full-stack web development.
- Solved 150+ LeetCode problems, focusing on Data Structures Algorithms, improving problem-solving skills.