

SHIVANJALI DUMPALA

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SKILLS

- ❖ **Programming Languages** : Python (Intermediate), Java & C (Basics)
- ❖ **Frontend** : HTML, CSS, JavaScript, Tailwind CSS, React.js, Next.js
- ❖ **Backend** : Node.js, Express.js
- ❖ **Databases**: MySQL, MongoDB, Firebase
- ❖ **Generative AI integration, GCP**
- ❖ **DSA** : Python
- ❖ **API integrations** : RESTful API development, Axioms, Postman
- ❖ **Productivity and Data tools** : Excel

EDUCATION

- ❖ HITAM | B.Tech – CSE CGPA : 9.68 | 2022-2026
- ❖ XII | Alphonse Junior College, Karimnagar MARKS : 957 | 2020-2022
- ❖ X | Krishnaveni Talent School CGPA : 10.0 | 2020

INTERNSHIP EXPERIENCE

- ❖ **LABMENTIX (Virtual) : 3 Months | June – September 2025** - Gained hands-on experience in full-stack web development, building responsive applications with integrated frontend and backend. Developed projects like Bug Tracking Web App and DocSign, strengthening skills in React, Node.js, Express, MongoDB, RESTful APIs, and collaborative development using Git.
- ❖ **EDUNET FOUNDATION (Virtual) : 4 Weeks | August 2025** - Engaged in an applied learning program focused on **data analytics**, working on a project analyzing greenhouse gas emissions. Derived actionable insights on environmental impacts through data visualization and statistical analysis.

PROJECTS

- ❖ **TRACK MY BUS - A Real-time College Bus Tracking & Management System** : Flutter, Firebase, GCP, Node.js, Express.js - Developed a role-based bus tracking application with Google Maps integration to display real-time bus locations for students, faculty, and drivers. Implemented ETA prediction using live location data without requiring any external hardware, relying entirely on mobile GPS services.
Research paper link : https://drive.google.com/file/d/1Vbxb9A1iFLmGCq_0K6xNDjMykiRvRIM8/view?usp=sharing
- ❖ **SMART ATTENDANCE MANAGEMENT USING AI DRIVEN FACE RECOGNITION** : face-api.js, React, MongoDB GridFS, Express, Node.js - Developed an AI-driven smart attendance management system using **face-api.js**, React, Node.js, Express, and MongoDB GridFS for automated and accurate student attendance.
- ❖ **BUGTRACKER – ISSUE & TASK MANAGEMENT SYSTEM** (Internship Project, May 2025 – June 2025) : React, Node.js, Express, MongoDB, JWT – Developed a MERN stack bug tracking application with JWT-based authentication, role-based access control, and dashboard visualizations for efficient issue and task management.
- ❖ **GREENHOUSE GAS EMISSION ANALYSIS** (Internship Project, Edunet, Aug 2025) : Python, Pandas, Matplotlib – Analyzed carbon emissions data to study environmental impact and proposed mitigation insights using data visualization.
- ❖ **EXPENSE TRACKER WEBSITE** (Internship Project, Oct 2024) : React, Node.js, MongoDB – Built an expense tracker with authentication and CI/CD deployment for managing personal finances.
- ❖ **CROP YIELD & PRODUCTION PREDICTION MODEL** (Oct – Dec 2024) : Python, scikit-learn – Applied Random Forest Regression to predict crop yields based on environmental and crop factors.
- ❖ **SIMULATION MODELLING OF TRAFFIC FLOW** (Course Project, May – Jul 2024) : OpenCV, Python – Designed a vehicle detection model (98% accuracy) and optimized traffic flow using simulation.

CERTIFICATIONS

- ❖ **Cryptography I – Stanford University** (Coursera, Apr 2025)
- ❖ **Introduction to MongoDB – MongoDB Inc.** (Coursera, Apr 2025)
- ❖ **Prompt Engineering for Everyone – IBM Developer Skills Network** (CognitiveClass.ai, Aug 2025)
- ❖ **Programming Foundations with JavaScript, HTML, CSS – Duke University** (Coursera, Jan 2024 – Mar 2024)
- ❖ **Everyday Excel – University of Colorado Boulder** (Coursera, Jun 2024 – Aug 2024)
- ❖ **Technology Job Simulation – Deloitte Australia** (Forage, Jul 2025)