Dishana Rupani

Driven by memories fueled by ambitions

+91-9696852575; dishanarupani@gmail.com
Dishana Github /Dishana LinkedIn

Education

Senior Secondary Education(2023-2025) DALIMSS SUNBEAM SCHOOL(FIITJEE) (PCM)
High School (2011-2023) St.John's B.L.W (CISCE)

Experience

Summer Student| The Indian Vidyarthi, *India* June'24

- Engaged in global issue workshops, wrote on urban water management, focused on global issues, innovative business strategies, and sustainable practices.

Computer Hardware Troubleshooter 2017 – 2022

- Provided hardware troubleshooting services, resolving non-functional systems, BIOS issues, and cmd prompt errors.Gained in-depth experience in CPU mechanics and helped with motherboard related issues.

Summer Student | Plaksha University, *India* June'22

- Selected for the fully funded, residential (YTS) program — a two-week immersive experience blending hands-on engineering, coding, and interdisciplinary problem-solving. Collaborated with a diverse team to build the **Marvin Project**, a mobile autonomous robotic vehicle equipped with LiDAR and ultrasonic sensors for indoor navigation.

Junior AI Evangelist| Lawroom AI, *India*

- Focused on performance tuning, response quality, and workflow efficiency.

  Freelance

  ➢ Built AI-driven agents for lead qualification, quote generation, and sales enablement across web; advocated AI adoption through hands-on solutions and technical demos.

Projects

Marvin Project

- Built a mobile autonomous robotic vehicle for indoor navigation using LiDAR and ultrasonic sensors.The project involved advanced programming for obstacle detection, autonomous maneuvering, and efficient pathfinding.

Quantum Temporal Lattice Theory (QTL), IJSAT

- Authored a research paper in a peer reviewed international journal, explored theoretical concepts of localized time manipulation through quantum mechanics, string theory, and holographic encoding.The study proposed the concept of creating time loops by altering encoded space time data.

CMD-Termux Integration

- Created a system for real-time communication between CMD and Termux, improving data synchronization and cross-platform communication.

Language Identification System (ML-Based)

- Developed a programming language classifier supporting 8 languages using Scikit-learn and HashingVectorizer with character n-grams.Achieved ~93% test accuracy with fast inference speeds (>4 files/sec).

Twitter Automation Bot

- Created a Python-based automation bot using Tweepy API for scheduled tweets, auto-replies, and hashtag monitoring. Integrated custom NLP filters for sentiment detection and trend-aware posting.

CMD Error Detector and Fixer

- Designed a CLI tool that parses Windows CMD errors and suggests context-aware solutions.Utilized regex pattern matching and a local database of common fixes to provide accurate, offline diagnostics.

Achievements & Volunteering

- Received a **90% scholarship** for academic excellence at FIITJEE (2023).
- Awarded a **100% scholarship** to attend the YTS program at Plaksha University (2022).
- Silver Medalist, Brainobrain Wonderkid Competition (2018), recognized for mental math, logical thinking, and creativity.
- Achieved a **Diploma in Computer Science Software Learning** from Next Generation Technical Institute (2021).
- Published a research paper on **Quantum Temporal Lattice** in IJSAT, merging relativity and string theory.
- Won 7000 INR cash prize in a hackathon and secured **second position in a CLI-based automation challenge** for building the CMD Error Detector and Fixer tool.

Volunteering

- Raised donations for visually and hearing-impaired children.
- Raised **19,500 INR** for Ukrainian relief efforts, securing 2nd prize for the best setup at a school fete (2023).
- Participated and won a prize in the 'Go Green' campaign at **Banaras Locomotive Works**.

Skills

Technical Toolkit: CMD, Termux, LiDAR, ultrasonic sensors, BIOS troubleshooting, motherboard diagnostics.
Programming & Automation: Python ,(building bots), CLI tools, automation scripts; basic API integration.
Research & AI: Technical writing, analytical research, beginner ML concepts, and hands-on AI experimentation.