

EDUCATION

Degree/Certificate	Institute/Board	Score	Year
B.Tech. Computer Science & Design	Madhav Institute of Technology & Science (Deemed University), Gwalior	8.30/10	2024–2028
Senior Secondary (Class XII)	CBSE Board	88.6%	2024
Secondary (Class X)	CBSE Board	94.0%	2022

EXPERIENCE

- ByteEdu

Feb 2026 – May 2026

Software Developer Intern

Remote

– Developed full-stack features using React.js, Node.js, Express.js, and MongoDB.

– Built and integrated REST APIs to support educational platform workflows.

– Improved application maintainability through modular architecture and reusable components.

– Collaborated with developers in an agile environment to deliver production-ready features.
- Decodelabs

2026 – Present

Virtual AI Intern

Remote

– Worked on AI-focused projects involving practical applications of machine learning and intelligent systems.

– Explored model integration workflows, AI-assisted automation, and data-driven problem solving.

– Participated in research, experimentation, and implementation of AI-powered solutions.

– Gained hands-on experience with modern AI development practices and emerging technologies.

PROJECTS

- AetherOS

2025 – Present

Unified Architectural Intelligence and System Modeling Platform

GitHub

– Developed a unified architectural intelligence platform enabling system modeling, architecture inference, simulation, and governance validation.

– Integrated GitHub repository analysis, Azure OpenAI architecture advisor, deployment recommendations, and scalability assessment.

– Implemented failure simulation, architectural rule validation, dependency analysis, and event-driven state management.

– Built using React, Node.js, Express, MongoDB, React Flow, Zustand, Azure OpenAI, and WebSockets.
- IARIS

2025 – Present

Intent-Aware Adaptive Resource Intelligence System

GitHub

– Designed an adaptive desktop resource optimization system that learns process behavior and predicts resource requirements in real time.

– Implemented Similarity Matching Engine for cold-start prediction, Delta-Based Caching for reduced monitoring overhead, and EWMA Continuity Engine for adaptive learning.

– Developed interactive dashboards featuring tuning controls, simulation workflows, impact analysis, and live cache tracing.

– Built using Python, FastAPI, React, real-time event streaming, and desktop application architecture.
- PDTK

2025 – Present

Personal Development Toolkit

GitHub

– Developed a developer productivity CLI toolkit focused on deterministic workflow automation and cognitive load reduction.

– Integrated GitHub synchronization, LinkedIn profile integration, VS Code snapshot support, and AI-assisted brainstorming workflows.

– Implemented session persistence, structured reporting, local AI integration through Ollama, and command-based workflow automation.

– Built using Node.js, CLI architecture, OAuth integrations, local LLM workflows, and extension-based tooling.

SKILLS

- **Languages:** JavaScript, TypeScript, Python, C, C++, SQL
- **Frontend:** React.js, Next.js, HTML5, Tailwind CSS
- **Backend:** Node.js, Express.js, Fastify
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools & Platforms:** Git, GitHub, Docker, Linux, VS Code, Postman
- **Data Analytics:** NumPy, Pandas, Matplotlib
- **Areas of Interest:** Backend Engineering, System Design, Artificial Intelligence, Developer Tooling

LEADERSHIP & COMMUNITY INVOLVEMENT

- **GitHub MOU Coordinator, Madhav Institute of Technology & Science (Deemed University)**

2025 – Present

- Coordinated GitHub-related initiatives and promoted open-source awareness among students.
- Encouraged participation in collaborative software development and community-driven projects.
- Active contributor in open-source programs including Nexus Spring of Code (NSOC) and GirlScript Summer of Code (GSSoC).