Sundar Raj Sharma

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Education

Youngstown State University	**Ohio, United States**
M.S. in Computing and Information Systems (GPA: 3.70)	**Expected Dec 2026**
KNS Institute of Technology	**Bangalore, India**
B.E. in Computer Science and Engineering (GPA: 3.2)	**Aug 2021**

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C++, SQL, Dart, ABAP

AI & LLMs: RAG, Prompt Engineering, Fine-tuning, Transformers, PyTorch, Ollama

Web & Mobile: React, Next.js, Flutter, Electron.js, Tailwind CSS, Bootstrap

Data & Backend: Node.js, Express.js, MongoDB, MySQL, Vector DBs, REST, GraphQL

Design & Tools: UX Research, Visual Design, Azure, Docker, Vercel, Git, Figma, Debugging

Experience

Graduate Student Web Developer — **Youngstown, OH**
Youngstown State University — **March 2025 – Present**

- Led development of a dynamic events calendar for Cliffe College of Creative Arts using Drupal and JavaScript; introduced modern UI components and responsive rendering.
- Optimized performance and resolved critical issues on Dana School of Music & Theatre websites, reducing page load times and improving accessibility.

Education & AI Integration Specialist — **Remote, Australia**
Haicam Technologies — **April 2024 – Nov 2024**

- Led AI research & integration initiatives for personalized learning platform, implementing course recommendations and automated evaluation systems scaling to 1,000+ global users.
- Collaborated with the development team to integrate ByteBoss AI Agent for automated course building, Discord bot creation, and streamlined student onboarding workflows.

Information Architect — **Bangalore, India**
Dimension64 Consulting — **Jan 2023 – Aug 2024**

- Designed information architecture and visual interfaces for Bundee fleet management platform, creating mobile/web schemas, user workflows, and dashboard hierarchies using Figma.
- Led UX prototyping and stakeholder discussions to define information structures, conducting design reviews to optimize data organization and user experience across touchpoints.

Developer — **Bangalore, India**
Maventic Innovate Solutions — **July 2021 – Nov 2022**

- Developed SAP ABAP programs and forms, writing custom business logic and SQL queries for enterprise resource planning (ERP) systems and data processing workflows.

Projects

JuniorIT — AI Coding Platform & Learning Ecosystem   **Live | Playground | VS Code Extension**

- Designed and scaled an AI-powered learning ecosystem featuring a course builder and a VS Code extension to provide real-time code assistance for students.
- Integrated OpenAI, Claude, and DeepSeek APIs via a custom middleware to automate personalized learning paths and interactive coding challenges.

AttendForum — Smart Attendance Management System   **Live | Github: Frontend, Server**

- Designed a dual-user ecosystem (Professor/Student) focused on frictionless QR check-ins and geolocation validation, reducing administrative overhead for faculty.
- Built with React, Node.js, and MongoDB, optimizing real-time tracking for 200+ active users with a focus on accessibility and mobile responsiveness.

CryptHub — Local-First Encrypted Password Manager   **Live | GitHub**

- Led end-to-end product design of a "Zero-Cloud" desktop app using Electron and SQLite, prioritizing user trust through localized AES-256-GCM encryption.
- Developed a secure vault migration workflow via signed binary files and a minimalist, distraction-free UI featuring a custom-built password strength meter.