

Piyush Sharma

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Profile Summary

Full-Stack Developer with hands-on experience in the MERN stack and Python. Specializes in engineering robust backend APIs with FastAPI and integrating AI models like Hugging Face Transformers for real-time analysis. Proven ability to build complete web applications from scratch, with expertise in creating dynamic frontends using React.js. Seeking to leverage these skills to develop innovative and user-centric software solutions.

PROJECTS

AI Empathy & Mentoring Platform

- Built a full-stack web app using the MERN stack to deliver AI-driven feedback on teacher-student communication, supporting both user types with mobile-friendly design.
- Engineered a FastAPI backend in Python for secure auth and CRUD operations; integrated a Hugging Face model for real-time sentiment analysis with 95% accuracy and ~1-second response time.
- Developed a responsive frontend using React.js and React Router, including sentiment dashboards, detailed reports, and voice-to-text input via Web Speech API, optimized for mobile access.
- Tech Stack: React.js, FastAPI (Python), MongoDB, Hugging Face Transformers, Web Speech API.

E-Commerce Website for Rural Artisan

- Developed a role-based full-stack E-commerce platform using Node.js, Express.js, and MongoDB, supporting separate user and seller workflows.
- Integrated secure login with Bcrypt and flash-based alerts, ensuring persistent sessions and enhanced user security.
- Designed a session-based cart system with dynamic item tracking and smooth checkout flow to streamline purchase experience.
- Developed a seller dashboard for protected product management (CRUD), improving seller control over inventory and operations.
- Tech Stack: Node.js, Express.js, MongoDB, EJS, Mongoose, Bcrypt.

EDUCATION

CMR Institute Of Technology: Master Of Computer Application

CGPA:8.6

Poddar International College: Bachelor of Computer Applications

Percentage: 65.56%

Shubh Shakti Vidhyapeeth: Intermediate (10+2)

Percentage: 55%

TECHNICAL SKILLS

- **Frontend:** React.js, HTML5, CSS3, JavaScript (ES6+)
- **Backend:** Node.js, Express.js, Python, FastAPI
- **Databases:** MongoDB, MySQL
- **AI/ML:** AI Agents / Agentic AI, Machine Learning & NLP
- **DevOps & Tools:** Git, GitHub, Linux Scripting, REST APIs, Docker, Kubernetes, CI/CD, AWS (EC2, S3, IAM, VPC, CloudWatch, AWS CLI), Azure (Azure VMs, Azure Storage, Azure AD, Azure Monitor)
- **Familiar With:** Web Speech API, Hugging Face Transformers, Cloud Concepts
- **Business Tools:** Microsoft Excel, PowerPoint, Word, Outlook, Power BI

ADDITIONAL SKILLS AND INTERESTS

Soft Skills: Strong analytical thinking, teamwork, adaptability, Strategic & Logical Thinking

Languages: English, Hindi

Interests: Video Gaming, Traveling