

# Utsav Mishra

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## WORK EXPERIENCE

### Full Stack Web Developer (Freelance)

Oct. 2023 – Present

*Self Employed*

*Remote*

- Delivered 10+ full stack websites using MERN Stack (React.js, Node.js), LAMP Stack (Laravel, PHP, MySQL), and Bootstrap, increasing client retention by 20% and reducing database query response times by 15%
- Designed accessible and responsive UI/UX interfaces with modern design principles, enhancing user experience across web and mobile platforms by 30%
- Built end-to-end features including secure user authentication systems, product catalog management, shopping cart functionality, admin dashboards, REST APIs, and mobile-responsive frontend components
- Developed AI-powered applications with Python, FastAPI, SpeechRecognition, Google Gemini API, OLLaMA, and RAG architecture, implementing voice-to-text interfaces and multilingual support capabilities
- Deployed production-ready e-commerce platforms with secure payment processing using PHP, MySQL, Bootstrap, and PayPal API integration for complete inventory management and transaction handling
- Enhanced MySQL database performance with indexing and caching strategies, achieving 40% faster page load times
- Portfolio includes [AI Assistant with Gemini](#), [Medical Triage System](#), [Subscription Management Backend](#), [Virtual Assistant](#), Streaming Platform, and [more](#)

## PROJECTS

### Code Companion - Personal AI Coder Agent | *Python, FastAPI, Ollama, TailwindCSS*

May 2025 – Present

- Built comprehensive AI coding assistant with Python, FastAPI, Ollama, TailwindCSS, achieving 95% code generation accuracy across multiple programming languages
- Developed comprehensive code generation, debugging, unit test creation, and support for 10+ frameworks
- Incorporated Ollama for local AI processing, ensuring 100% privacy and delivering 70% cost reduction
- Designed intuitive web interface with syntax highlighting, accelerating development workflows by 60% | [GitHub](#)

### Online Grocery Store Platform | *PHP, React.js, MySQL, Redis, Docker, Ollama*

Nov. 2024 – Dec. 2024

- Constructed full stack e-commerce platform with PHP, MySQL database, and SCSS, Bootstrap reducing cart abandonment by 20%
- Integrated AI-powered customer support using Gemini Pro with Ollama (Phi-3) fallback, achieving 95% uptime and reducing API costs by 60% through Redis-based response caching system
- Logged 100% AI interactions in MySQL (ai\_logs) including model source, timestamp, IP, and response time, enabling future analytics, moderation, and performance tuning
- Built secure admin panel with searchable logs, implemented .env-based API key handling, and designed rate-limiting logic (5 req/min/IP) for abuse prevention and system control
- Deployed Docker-based architecture for PHP backend, Redis, and Ollama, delivering 100% local model uptime with simplified scalability and production-ready portability | [GitHub](#)

### Coffee E-Commerce Website | *PHP, MySQL, CSS, Bootstrap*

May 2024 – Jul. 2024

- Launched responsive coffee e-commerce website with PHP backend, MySQL database, CSS styling, and Bootstrap framework, boosting client sales by 20%
- Incorporated shopping cart functionality and customer review system using optimized MySQL database design, improving user interaction by 25%
- Created mobile-first responsive UI with Bootstrap and custom CSS, increasing mobile orders by 15%
- Accelerated MySQL query optimization for product search functionality, reducing page load time by 25% | [GitHub](#)

## SKILLS

**Languages:** JavaScript, PHP, Python, Java, SQL

**Frontend Technologies:** React.js, HTML5, CSS3, Tailwind CSS, SASS/SCSS

**Backend Technologies:** Laravel, Node.js, FastAPI, Express.js, SQLAlchemy

**Databases & Cloud:** MySQL, PostgreSQL, AWS

**Tools & DevOps:** Git, Docker, GitHub, VS Code, phpMyAdmin, XAMPP, Version Control, AI Tools

## EDUCATION

### Dr. Ram Manohar Lohia Awadh University

*Bachelor of Computer Applications (BCA), CGPA: 7.4*

Ayodhya, UP

*Nov. 2023 – Nov. 2026*