JAYANK TIWARI

jayank226633@gmail.com | +91-8826709461 | linkedin.com/in/jayank-tiwari-developer | github.com/Jayank-Tiwari

AI Engineer and Full Stack Developer with hands-on experience in Generative AI, Conversational Agents, Azure OpenAI, Vector Databases, Next.js, TypeScript, and Python. Professional experience at Cloud Converge, delivering real-world intelligent systems and AI-powered web solutions. Skilled in building scalable, data-driven applications with strong AI and full-stack expertise. Open to roles in AI Engineering, Full Stack Development, and Software Engineering.

WORK EXPERIENCE

AI Software Engineer
CloudConverge | July 2025 - Present
- AI Engineer specializing in generative AI, conversational agents, and agentic frameworks. I leverage Azure OpenAI and vector databases to build and deploy intelligent systems, advanced chatbots, and semantic search solutions. I also integrate these AI systems with full-stack web applications using Next.js, TypeScript, and Python.

Full Stack Developer
Freelance/Personal Projects | 2023 - July 2025
- Developed and delivered a full-stack web application using Laravel, leveraging its MVC architecture, Eloquent ORM, and authentication features. Gained hands-on experience in project development, deployment, and client communication during freelance work.

Full Stack Developer Intern
Bandbaajabarat.com | March 2023

- Streamlined web development using HTML, CSS, and JavaScript to improve site performance.
- Contributed to building a landing page for Bandbaajabarat.com, boosting traffic by 20%.
- Created Admin Dashboard with access authentication in codeigniter.

Frontend Web Developer Intern
CarrierGuide.com | June 2022- August2022

- Streamlined web development using HTML, CSS, and JavaScript to improve site performance.
- Contributed to building a landing page for CarrierGuide.com, boosting traffic by 20%.
- Collaborated with developers and designers to enhance UI/UX for client websites.

PROJECTS

Intelligent PDF Search | Python & Google AI Studio
- A semantic search application to find information across a personal library of PDF documents.
- Ingests and indexes multiple PDFs for deep searching.
- Locates exact phrases and returns the specific file and line number.
- Uses generative AI to find semantically similar sentences and related concepts.

Automated Patient Image Processor | Python & OpenCV
A self-contained automation script for sorting and renaming medical images.
- Monitors an input folder, processing all images in a batch every 10 minutes.
- Uses grayscale image processing and OCR to find and extract the Patient ID from each image.
- Renames the file using the extracted Patient ID and moves it to a processed folder.
- Automatically isolates any unreadable images into an "unprocessed" folder for manual review.
- Clears the input folder after each cycle to await the next batch.

EcomX Marketplace | Laravel
- A multi-vendor e-commerce platform with product catalogs, shopping cart, and payment gateway integration.
- Admin dashboard built with Livewire for order management, sales analytics, and dynamic pricing rules.

Imperial Restaurant System | Laravel
- A complete Laravel-based restaurant management system for Imperial Spice. Features online ordering, reservation management, and delivery assignment with OTP verification. Includes dedicated dashboards for users, admins, and delivery staff.

Quiz Arena | HTML 5, CSS 3, JavaScript, Bootstrap, PHP
- Developed an interactive web application with an intuitive, visually appealing interface and dynamic components using JavaScript.

Travel Management System | HTML 5, CSS 3, JavaScript, Bootstrap, PHP
- Built an efficient system for easy destination booking, enhancing skills and understanding of web development.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript
- **Frontend:** HTML5, CSS3, Bootstrap, Tailwind CSS, React.js
- **Backend & Frameworks:** Laravel, FastAPI
- **AI & Machine Learning:** Generative AI, Agentic Frameworks (LangChain), Vector Databases (Pinecone)
- **Cloud & DevOps:** Azure (Azure OpenAI, Web App, Container App), Docker
- **Databases:** Postgresql, MySQL
- **Version Control:** Git, GitHub

EDUCATION

MASTERS IN COMPUTER APPLICATION (MCA)
Amity University, Noida | CGPA: 7.02 | 2023 – 2025

BACHELOR IN COMPUTER APPLICATION (BCA)
Guru Gobind Singh Indraprastha University | CGPA: 8.45 | 2020 – 2023