

# Hamza Ashraf

Full Stack Developer

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## SUMMARY

A highly motivated Full Stack Developer with 2+ years of experience delivering scalable, secure, and high-performance web applications.

Specialized in the MERN stack and passionate about building intuitive user interfaces and robust backends.

Proven success working with global clients in industries like e-commerce, real estate, and education tech, with hands-on expertise in JWT authentication, OCR, real-time communication, and cloud deployments.

## WORK EXPERIENCE

### Full Stack Developer

May '23 — Present

Fiver

lahore

- Over the past two years, I've gained valuable experience by working with international clients on diverse web development projects.
- Collaborating across time zones and industries helped me sharpen both my technical and communication skills.
- Delivered full-stack web projects in domains like e-commerce, real estate Worked extensively with modern frontend technologies (React.
- Developed robust backend solutions using Node.
- js, and MongoDB Integrated third-party services including Stripe Implemented secure authentication, RESTful APIs, and scalable cloud deployments (AWS, Vercel, Netlify) Continuously learned and adapted to new tools and frameworks to meet evolving client needs

### Headstarter Software Engineering Fellow

Jul '24 — Present

International

New York City, United States (Remote)

- Collaborated with international software engineers to design and build 5 AI-based projects, including a team-developed Chatbot and an open-source community project.
- Led team meetings, contributed to live coding sessions, and practiced real-world coding interview questions to enhance problem-solving skills.
- Strengthened skills in AI/ML, full-stack development, and technical communication while working in a fast-paced, global environment.
- Gained hands-on experience in building personal brand, presenting technical demos, and contributing to impactful, real-world software solutions.

## EDUCATION

Bachelor in Information Technology, University of Education

Jan '22 — Jan '26

Lahore, Pakistan

fsc in Intermediate in Pre-Engineering, Government Post Graduate College

Jhang, Pakistan

## PROJECTS

E-SHOP – Multi-Vendor E-commerce Platform [Link](#)

Jan '24 — Mar '24

- **Project Focus:**
  - Built a robust multi-vendor e-commerce platform with separate modules for client, seller, and admin panels.
- **Technological Stack:**
  - Utilized MERN stack – React.js, Node.js, Express.js, MongoDB.
  - Implemented Redux Toolkit for global state management.
  - Integrated Stripe for secure online payments and Socket.io for real-time chat.
- **Key Features:**
  - Enabled seamless product browsing, filtering, and dynamic search.
  - Real-time messaging between clients and sellers via WebSockets.
  - Admin dashboard for managing users, products, orders, and vendors.
  - Secure authentication and role-based access for different user types.
- **Transformative Experience:**
  - Delivered a scalable and interactive online marketplace by combining real-time communication, secure transactions, and modern frontend design.

Real Estate Marketplace – Full-stack MERN Application [Link](#)

Jun '24 — Aug '24

- **Project Focus:**
  - Built a modern real estate web application from scratch with secure authentication, listing management, and property browsing.
- **Technological Stack:**
  - Developed using MongoDB, Express.js, React.js, Node.js (MERN).
  - Integrated JWT for authentication, with support for Firebase and Google OAuth.
  - Utilized Redux Toolkit for global state management and efficient app-wide data flow.
- **Key Features:**
  - Complete CRUD functionality for property listings with image uploads.
  - Advanced search and filtering features for seamless property discovery.
  - Role-based access control and secure user authentication.
  - Fully responsive UI/UX tailored for buyers, sellers, and agents.
  - Smooth deployment experience using Render for hosting.
- **Transformative Experience:**
  - Delivered a real-world real estate platform, combining scalability, secure data access, and user-centric design to enhance property discovery and management.

## Conceptual Map Generator [Link](#)

Oct '23 — Present

- **Project Focus:**
  - Developed an intelligent tool to generate conceptual maps from text, PDFs, and images using OCR and contextual processing.
- **Technological Stack:**
  - Utilized Next.js, Node.js, Express.js, MongoDB, Tailwind CSS.
  - Integrated pdf-lib, pdfjs-dist for PDF parsing and Tesseract.js for OCR-based image-to-text extraction.
- **Key Features:**
  - Automatically extracts and visualizes key concepts from uploaded data (text, PDF, image).
  - Selective PDF page processing for accurate concept mapping.
  - Real-time conceptual map generation from backend-stored content.
  - Responsive and intuitive user interface built with Tailwind CSS.
  - Efficient API architecture with secure file handling and MongoDB storage.
- **Transformative Experience:**
  - Delivered a unique solution for educators and researchers to transform raw content into meaningful, structured visualizations using modern web technologies.

## SKILLS

**Backend Technologies** Node.js, Express.js, MongoDB, Mongoose, Firebase, JWT Auth, Socket.io, Multer, MySQL, RESTful API, Server-Side, REST

**Development Tools** Docker, AWS(EC2, S3, IAM), Redis, Postman, Git, GitHub, Agile Methodologies, Version Control, Pipeline, Scalable Web Applications

**Programming languages** C++, TypeScript, JavaScript