

KASHAF NAVEED, Junior MERN AI Developer

“Full Stack AI Engineer | MERN Stack | Machine Learning | Deep Learning | LLM integration”

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PROFESSIONAL SUMMARY

I'm a passionate and motivated MERN AI Developer, dedicated to integrating Artificial Intelligence, Machine Learning, and Deep Learning into modern web applications. I focus on mastering the complete development cycle—from building scalable MERN-based architectures to implementing intelligent models that enhance user experiences. With a strong commitment, I strive to create innovative, data-driven solutions that solve real-world problems through intelligent automation.

TECHNICAL SKILLS

- **AI/ML:** TensorFlow, Keras, Scikit-learn, Neural Networks, BERT, Transformers, LSTM, RAG, Langchain, LLMs, Hubspot.
- **Web:** React JS, Node.js, Express.js, MongoDB, WebSockets, Stripe API, Python, Javascript
- **Tools:** NumPy, Pandas, Matplotlib, Seaborn, Postman, Git, Jupyter, Streamlit, Hugging Face.
- **Frontend:** Tailwind CSS, Ant Design, Framer Motion, Vanilla JS, MUI
- **Soft Skills:** Problem-solving, Quick learner, Self-motivated.

WORK EXPERIENCE

Mern Stack Developer (*Independent Projects*): December, 2023 – Personal Learning

I learnt MERN Stack development from Saylani Mass IT (SMIT), where as Full Stack Developer, I built multiple full-stack projects using MongoDB, Express, React, and Node.js. This experience strengthened my skills in building responsive web applications, RESTful APIs, and integrating front-end with backend seamlessly.

Mern AI Developer (Internship) — Three Arrows: October, 2025 – Present

During my MERN AI internship, I gained hands-on experience with new technologies, advanced logic building, and real-time project development. I contributed to a Multi-Level Marketing system and developed a multilingual model integrated with the MERN stack, designed to efficiently handle dynamic language switching. This internship greatly enhanced my technical expertise and deepened my understanding of building web solutions.

AI Researcher & AI Instructor— NexaVision : July, 2025 – September, 2025

As an AI Researcher, I did the research work on the company's coming project which is based on AI Agents in the field of medicines, also researched on the society which issue our society is facing due to the lack of the technology. Further project details remain confidential. **As an AI Instructor**, Teach students AI/ML from scratch to advanced level and introduce the students, Modern AI technologies. We end this course by completing projects on the Document classifier, Diabetes Predictor, Gender Voice recognition.

PROJECTS

MERN Stack Projects:

- **Payment Gateway** – Secure MERN-based system with Stripe API and real-time validation.
- **WhatsApp Clone** – Real-time chat app using Socket.IO and Firebase Auth.
- **AI Chatbot** – Chatbot using Gemini API integrated into React UI.
- **MultiLevel Marketing** – Deal with payments gateways, Binary Tree structure, Commission Distribution and much more.

Try-On Spectacles : MERN + AI (ONNX, MediaPipe, OpenCV, FastAPI) [Try live](#)

- Built a real-time **AI-Powered Virtual Spectacles Try-On** app working on laptop, phone, and tablet cameras.
- Used **MediaPipe + ONNX** for face landmarks and **OpenCV** for overlay alignment.
- Integrated with **FastAPI backend** and **MERN** for smooth AR experience. Deployed project frontend on Vercel and backend on Railway.

Multilingual Model : MERN + AI (LLM, Deep Learning)

- It automatically extracts the text from the DOM in the form of nodes and pass to the Model and then model show this on the page.
- Used **MM2M100** model for translation and it is a multilingual encoder-decoder (seq-to-seq) model and can translate up to 100 languages.
- Achieved approximately 87% accuracy.

EDUCATION & LANGUAGES

2023-2027 Bachelor in Computer Science | Virtual University Faisalabad.

Urdu (Native) | English (Intermediate – Conversational Fluency)