

HASSAN JAMSHaid

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Summary

Results-driven Full Stack Developer exploring AI/ML, passionate about building scalable web applications, intelligent systems, and seamless user experiences. Skilled in React, Node.js, Spring Boot, and Python, with growing experience in machine learning frameworks and computer vision. I thrive in agile environments, enjoy solving complex problems, and focus on delivering impactful, high-performance software solutions.

Experience

Tech Lead – Web & Digital Infrastructure Pakistan Arab Youth Organization **June 2025 – Present**
Leading the development and management of the organization's official website using the MERN stack. Integrated AI-driven features to enhance user interaction and automate content workflows. Oversaw the deployment process, ensured system scalability, and collaborated with cross-functional teams to maintain a robust digital infrastructure.

Full Stack Developer Intern Netsol Technologies Inc, Lahore **July 2024 – Sep 2024**
Worked on building and maintaining full-stack web applications using React.js, Spring Boot, and PostgreSQL. Gained hands-on experience in developing RESTful APIs, integrating frontend with backend services, and working in Agile teams. Contributed to improving system performance and participated in code reviews, version control (Git), and deployment processes in a real-world enterprise environment.

Education

Bachelor of Science in Computer Science University of Central Punjab, Lahore **2022 – 2026**

Intermediate Crescent Model Higher Secondary School and College, Lahore **2020 – 2022**

Skills

- **Languages:** Python, Java, JavaScript, TypeScript
- **Frontend:** React.js, Next.js, Redux, HTML5, CSS3, Tailwind CSS
- **Backend:** Node.js, Express.js, Spring Boot
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Machine Learning and Deep Learning:** TensorFlow, PyTorch, Scikit-learn
- **Tools and Platforms:** Docker, Git/Github, Kafka, AWS
- **Soft Skills:** Problem Solving, Teamwork, Time Management

Projects

- **Face Detection & Personality Analysis**
Developed a computer vision application using OpenCV for real-time face detection integrated with machine learning models to analyze personality traits and behavioral patterns from facial features.
- **Idea Prediction Model – Project Classification**
Built a binary classification model using the LiteLlama-460M-1T architecture to predict project ideas as 'Original' or 'Repeated'. Achieved over 90% accuracy with TensorFlow by implementing a cosine learning rate

scheduler and gradient clipping. Technologies used include Python, TensorFlow, Transformers, HuggingFace, and LiteLlama.

- **Official Website – Pakistan Arab Youth Organization (MERN + AI)** – Built a responsive and scalable full-stack website using the MERN stack. Integrated AI modules for automated content generation and user interaction, delivering a seamless experience for youth engagement.
- **IEEE Computer Society UCP Chapter – Official Website (MERN)** – Developed and deployed the chapter's official platform using MongoDB, Express.js, React.js, and Node.js. Focused on clean UI/UX, admin dashboards, and real-time content updates.
- **Trade an Idea (MERN + AI)** – Created a full-stack idea trading platform with real-time collaboration features. Integrated a fine-tuned LLaMA-based AI model for evaluating and predicting idea success based on input parameters.
- **Pulse AI – Hospital Management System (MERN + AI)** – Engineered a complete hospital management web app with patient tracking, appointments, medical records, and integrated AI for health trend prediction and automated reporting.
- **CampusNest – Hostel Management System (MERN + AI)** – Built an AI-powered hostel booking and management platform with tenant registration, room allocation, and smart analytics for administrators.
- **E-commerce Store (React + Redux + Spring Boot)** – Developed a secure and responsive online shopping platform using React, Redux Toolkit, Spring Boot, and Spring Security 6. Implemented product filtering, user roles, authentication, and order processing features.

Certifications

- AWS Cloud Foundations Certification
- HackerRank Advanced React Certification
- HackerRank Advanced SQL Certification