

# HAMMAD AHMAD

MERN Stack Developer

Islamabad Pakistan

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## Education

**Kohat University of Science and Technology Kohat**

**Sep. 2021 – July 2025**

*Bachelor of Science in Computer Science*

*Kohat, KP*

**Government Polytechnic Institute Kohat**

**Sep. 2020 – Sep 2021**

*Diploma in Information Technology*

*Kohat, KP*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Web Engineering
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

## Experience

**MarketX Solutions**

**April 2025 – July 2025**

*MERN Developer Intern*

*Peshawar, KP*

- Developed full-stack features using MongoDB, Express, React.js, and Node.js to support dynamic web application requirements.
- Built reusable components and implemented RESTful APIs for scalable data management.
- Debugged and optimized backend processes, improving overall application response times.
- Collaborated with UI/UX teams to enhance usability and performance across key user flows.

**National Expansion Plan of NICs**

**May 2024 – Nov 2024**

*Website Developer*

*Kohat, KP*

- Designed and developed Custocare, a location-based food delivery web platform using the MERN Stack.
- Built features allowing customers to discover nearby food points via interactive maps and place real-time orders.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Developed the vendor dashboard, enabling food point owners to create shops, manage products, and track orders.

## Projects

**Education AI (Eduai) | MERN Stack , Typescript, Python**

**2025**

- Developed an e-learning platform tailored for Pakistani students preparing for major academic exams.
- Built a personalized learning experience using an AI recommendation engine that suggests relevant courses based on student behavior.
- Integrated AI-generated quizzes to test student understanding and dynamically adjust difficulty based on results.
- Implemented a secure admin panel for managing courses, content, users, and performance analytics.

**EduConnect | MERN Stack , Redux , Cloudinary**

**2025**

- Developed a platform where students can discover and connect with nearby available instructors using live maps.
- Implemented location-based filtering to help students view teachers in their area based on subject and availability.
- Added an AI-powered recommendation system that suggests instructors based on student preferences and learning history.

**Castocare | MERN Stack, Map APIs, Tailwind CSS**

**2024**

- Created an interactive food delivery web app allowing users to find nearby food vendors using real-time maps.
- Developed vendor portal where shop owners could register, list products, and manage incoming orders.
- Integrated location APIs to suggest food points based on user's current location.
- Designed responsive UI using Tailwind CSS and deployed frontend/backend separately on Vercel and Render.

## Technical Skills

**Languages:** Python, JavaScript, Typescript Java, C , C sharp, HTML/CSS, SQL

**Developer Tools:** Visual Studio Code, Github, Postman , Vercel, Render, Android Studio

**Technologies/Frameworks:** React.js , Node.js , Express.js, MongoDB , PostgreSQL

## Certifications

- Full Stack Development – *Udemy*, Completed (2024)
- Node.js Development – *CyberVision International*, Completed (2024)
- Freelancing – *DigiSkills*, Completed (2023)
- Effective Leadership – *HP*, Completed (2023)