

# MEHAK EMAN

Wazirabad road, Sialkot Pakistan • +92 3127167837 • em.mehak04@gmail.com



<https://github.com/emmehak>

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## ABOUT ME

Versatile Full Stack Developer with hands-on experience in building scalable, secure, and high-performance web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). Adept at designing RESTful APIs, implementing JWT-based authentication, and building real-time features with WebSockets. Skilled in frontend development using responsive UI frameworks and state management tools like Redux. Passionate about clean code, continuous learning, and delivering reliable full-stack solutions in Agile environments.

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## PROJECTS EXPERIENCE

- Admin Dashboard: Developed a secure admin panel with role-based access, real-time updates (Firebase), and user management.
- Portfolio Website: Built a professional and responsive portfolio using React and Tailwind CSS to showcase skills and projects.
- AI Recipe Generator: Designed the frontend interface using React and styled-components. Users receive AI-generated recipe suggestions based on their inputs.
- Fitness App: Created a web app to search for exercises and watch a visualized gif to see the movements.
- E-commerce Website: Developed user interfaces for product listings, filters, shopping cart, authentication, and checkout using React, Redux, and TailwindCSS.

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## EDUCATION

### Bachelor of Science in Software Engineering

University of Sialkot

Dec 2021 - Jul 2025

### Higher secondary school

Punjab group of colleges

Aug 2019 - Apr 2021

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## SKILLS

- Languages: HTML5, CSS3, JavaScript (ES6+), JSX, JSON
- Frontend Development: React.js, Next.js, Redux, Tailwind CSS, Bootstrap, Responsive Design, Accessibility (WCAG), SEO Basics
- Backend Development: Node.js, Express.js, RESTful APIs, MVC Architecture
- Databases: MongoDB, Firebase Firestore, MSSQL Server
- Real-Time & Communication: WebSocket, Socket.IO, Firebase Realtime Database
- Authentication & Security: JWT (JSON Web Tokens), Firebase Authentication
- Version Control & Workflow: Git, GitHub, VSCode, Chrome DevTools, Postman, Agile Methodologies
- Deployment: Firebase Hosting, Render, Netlify, Vercel (basic CI/CD)
- Software Engineering Practices: Component-Based Architecture, Modular Coding, Error Handling, API Testing

- Other Programming Languages: C++, C#, Java, SQL
  - Machine Learning: Experience with supervised learning, unsupervised learning, data preprocessing, model training, model evaluation, and deployment using Python. Familiar with scikit-learn and related ML libraries.
  - Deep Learning: Knowledge of neural networks including CNNs (Convolutional Neural Networks) and RNNs (Recurrent Neural Networks). Experience with deep learning frameworks such as TensorFlow and PyTorch.
  - Soft Skills: Teamwork, Problem-solving, Project Management, Time management, Critical thinking, Strong Communication.
  - Languages: Urdu(Native), English(Fluent), Korean(Basics)
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## CERTIFICATIONS

### JavaScript Essentials

IBM Coursera

MAR - 2025

### HTML,CSS,JavaScript

IBM Coursera

FEB- 2025

### Developing Front-End Apps with React

IBM Coursera

MAY - 2025

### Version Control with Git/Github

IBM Coursera

FEB- 2025

### Machine Learning Specialization

Specialization -Stanford Online+DeepLearningAI Coursera

DEC-2024

### Machine Learning for All

University of London Coursera

JUN- 2025

### Python for Data Science, AI and Development

IBM Coursera

JAN-2025

### Learn Tailwind CSS

Scrimba Coursera

FEB-2025

### Deep Learning with PyTorch : Image Segmentation

Coursera

JAN-2024

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