

Muhammad Ammar

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<https://ammar-portfolio5.vercel.app/>

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ABOUT

Results-driven Full Stack Developer specializing in React and Python, skilled in full-stack web application development, RESTful API integration, and Agile methodologies. Adept at managing deliverables independently in remote settings and contributing to scalable, production-grade solutions. Highly motivated individual ranked in the Top 1% (99th Percentile) in NSTC Competency Test, demonstrating exceptional analytical and coding proficiency.

TECHNICAL SKILLS

React.js	React Router	JavaScript (ES6)
HTML5	CSS3	Node.js
Express.js	Python (FastAPI, Flask)	MySQL
MongoDB	Bootstrap	TailwindCSS
Framer Motion	Database Management	RESTful APIs
Agile Development	Git	GitHub
Version Control Systems	Problem-Solving	Communication
Teamwork	Time Management	

EXPERIENCE

Full-Stack Web Developer (Academic & Freelance Projects)

2023 – Present

Self-Initiated Projects / University of Sargodha • Sargodha, Pakistan

- Developed responsive and dynamic web applications using React.js, React Router, and Python-based APIs, ensuring scalability and reliable performance in production environments.
- Designed modern UI/UX interfaces using Bootstrap and TailwindCSS.
- Designed and integrated RESTful APIs using Express.js and Python (FastAPI), enabling seamless communication between frontend and backend systems.
- Implemented authentication systems and optimized database operations, improving query performance by 25% and enhancing system reliability.
- Collaborated on Agile-based academic projects, contributing to sprint planning, version control, and independent task ownership in full-stack development.

- Debugged and optimized applications for performance and scalability, ensuring reliable deployment and system uptime.

PROJECTS

AI-Driven Smart Healthcare Ecosystem (Final Year Project)

Developing an AI-powered healthcare platform for smart appointment scheduling, automated medical report analysis, and chatbot-based patient assistance. Implementing machine learning and NLP for symptom classification and decision support in a scalable full-stack system.

Stack: React.js, Node.js, Express.js, MySQL, Python (FastAPI), TensorFlow, scikit-learn, NLP, TailwindCSS, REST APIs

<https://medinova-health1.vercel.app>

Personal Portfolio & CMS Platform

Designed and developed a modern full-stack portfolio and personal branding platform featuring project showcasing, blogging, service listings, certificate management, and contact/hire functionality. Implemented an admin dashboard with CMS capabilities, authentication, SEO optimization, Cloudinary uploads, and responsive UI/UX to create a scalable and professional web presence.

Stack: Next.js 16, TypeScript, MongoDB, Tailwind CSS, Framer Motion, NextAuth.js, Cloudinary, Nodemailer, Zod, React Hook Form, TipTap, REST APIs

<https://ammar-portfolio5.vercel.app>

Paid Online Digital Course Selling Website

Developed a full-stack digital course selling platform with secure JWT-based authentication, role-based access control, course browsing, enrollment system, and personalized learning dashboard. Implemented a modern responsive UI with integrated video learning and scalable backend architecture for seamless user experiences.

Stack: React.js, Vite, TailwindCSS, Node.js, Express.js, MongoDB, JWT Authentication, REST APIs

<https://paid-course.vercel.app>

Online Blood Bank Android Application

Designed and developed a real-time Android application to connect blood donors with recipients. Implemented donor registration, blood type-based search, and emergency request features to improve response time.

Stack: Kotlin, Android SDK, Firebase Authentication, Firebase Realtime Database, XML

EDUCATION

Bachelor of Science in Software Engineering

2026

University of Sargodha • Sargodha, Pakistan

GPA: 3.27/4.0

FSC (Pre-Engineering)

2022

ASPIRE Group of Colleges • Pakistan

GPA: 88.45%

Matric

2020

GHSS • Pakistan

GPA: 92.45%

CERTIFICATIONS

React.js Development - (Completed)

Full-Stack Web Development Bootcamp - (Completed)

Network Fundamentals - *Simplilearn* ()

Basic Computer Skills (MS Office, Internet, File Management) - (3 Months)