

Muhammad Nasir Khan

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SUMMARY

Full-Stack Developer specializing in end-to-end solutions with expertise in Node.js, Express.js, SQL, and MongoDB for backend development, and React.js, HTML, CSS, and JavaScript for frontend systems. Skilled in designing RESTful APIs, optimizing relational/NoSQL databases, and integrating scalable architectures. Certified in Generative AI Application Development with experience implementing AI-driven applications. Additional credentials include Web Development (CIT) and Full Stack Web Development certifications. Adept at adopting emerging technologies to deliver innovative solutions for fast-paced, tech-forward teams.

TECHNICAL SKILLS

- Frontend Development: HTML, CSS, Bootstrap, TailwindCSS, JavaScript, React.js
- Backend Development: Node.js, Express.js Web Development Frameworks: Next.js
- Database Management: MongoDB, MySQL
- Version Control: Git, GitHub
- Responsive Design: Mobile-first design, Flexbox
- Testing & Debugging: Postman, Chrome DevTools, VSCode Debugger

PROFESSIONAL EXPERIENCE

Backend & Database Developer ***Pakistan Automation*** **July 2024 - Present**

- Designed, developed, and optimized RESTful APIs to support seamless communication between client and server applications. Efficiently managed database operations using complex SQL queries and NoSQL solutions, ensuring accurate data storage and retrieval across projects. Collaborated with frontend teams to deliver integrated and responsive user experiences. Implemented secure authentication, authorization, and data validation techniques to maintain application security and data integrity. Regularly conducted testing, debugging, and performance tuning to ensure robust backend functionality and high system reliability.

Jr Frontend Developer ***Kalbosoft*** **Jan 2024 - June 2024**

- Developed responsive web interfaces using React.js and Next.js to ensure an optimal user experience across various devices. Collaborated with design teams to implement visually appealing and functional components, ensuring consistency with the overall design vision. Additionally, debugged and tested front-end code to identify and resolve issues, ensuring high-quality, reliable, and smooth performance.

EDUCATION & TRAINING

Bachelor of Science in Computer Science (BSCS) – Undergraduate

Virtual University of Pakistan

- Developing a strong foundation in software development, data structures, algorithms, database management, and system design. Gaining hands-on experience with programming languages, web technologies, and software engineering principles to build scalable and efficient applications.

CERTIFIED CLOUD APPLIED GENERATIVE AI ENGINEER (GEN-ENG) – Undergraduate

Governor Sindh Initiative for GenAI, Web3, and Metaverse

- Building expertise in AI-driven automation, machine learning workflows, cloud-based AI solutions, and large-scale generative AI models. Developing hands-on experience with cloud computing, AI model deployment, and advanced data processing techniques to create innovative and scalable AI applications.

Full Stack Development Training (Professional Software Development Certificate) – 2024

Baitussalam Tech Park, Clifton Karachi

- Acquired hands-on experience in designing, developing, and deploying full-stack applications. Gained proficiency in front-end and back-end technologies, including JavaScript, Node.js, Express.js, MongoDB, and React.js. Learned best practices for API development, database management, and responsive UI design to build scalable and efficient web applications.

CERTIFICATES

CIT (Web Development) – 2023

Prime Minister's Youth Programme | IoBM, Korangi Crossing Karachi

- Gained hands-on experience with HTML, CSS, JavaScript, and PHP for building dynamic websites. Learned to create responsive websites and work with WordPress to manage content. Also covered basic database management and simple programming concepts to develop functional websites.

React Native Developer – 2023

Jawan Pakistan | Sir Adamjee Institute of Management Sciences, FB Area, Karachi.

- Gained hands-on experience in developing cross-platform mobile applications using React Native. Learned to create responsive and user-friendly mobile interfaces, ensuring smooth performance across both iOS and Android platforms. Focused on integrating APIs, managing app states with Redux, and optimizing app performance to provide seamless user experiences.

Certified Generative AI Application Developer – 2024

Pak Angels, Silicon Valley, California, USA

- Gained knowledge and practical experience in developing AI-powered applications, including chatbots and conversational agents. Learned prompt engineering techniques to interact with generative AI models, creating smart solutions for a variety of use cases. Focused on building user-friendly applications using AI technologies to automate tasks and enhance user experiences.

Android/iOS App development in Flutter – 2024

Digital Skills Training Programme | United Nations Development Programme (UNDP)

- Developed cross-platform Android/iOS apps using Flutter for the United Nations Development Programme (UNDP). Focused on creating user-friendly, scalable, and responsive applications that cater to diverse user needs while ensuring smooth performance across both platforms.
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ACHIEVEMENTS

Hackathon Leadership – Team Lead

ULEFUSA Generative AI Training Cohort Hackathon 2025

- Led a team in the development of "EssayElevate," a chatbot for IELTS preparation. Successfully guided the team through the hackathon, which helped participants improve their essay-writing skills. The team was awarded certification for the successful completion of the project.
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PERSONAL PROJECTS

Nexir – E-commerce Website – MERN Stack (MongoDB, Express.js, React.js, Node.js)

- Developed Nexir, a fully functional e-commerce platform using the MERN stack with MongoDB and Redis for database management and caching. Integrated secure Stripe payments and JWT authentication for user management. Implemented key features like product and category management, shopping cart, and checkout, along with an admin dashboard for product and order control. Designed a sleek UI with Tailwind CSS and optimized performance for faster load times.

Chatbot – Job Interview Preparation Assistant – Python | LLM (Large Language Models)

- Developed the Job Interview Preparation Assistant, a chatbot that tailors interview questions based on the user's field and experience level. It provides real-time, AI-driven feedback on tone, vocabulary, and clarity, helping users refine their responses and build confidence for interviews.

Chatbot – English Coach – Python | LLM (Large Language Models)

- Developed the English Coach chatbot, designed to guide users through a progressive language learning journey. The chatbot starts by providing easy tasks for beginners on their first day and gradually increases the difficulty level to enhance vocabulary, grammar, and sentence construction skills, making learning both structured and engaging.

Task Management Apps (To-Do Apps) – React | React Native

- Developed a To-Do App using React, enabling users to efficiently manage their tasks. The app allows for easy creation, editing, and deletion of tasks, along with the ability to categorize tasks and set deadlines. It also features a simple, responsive interface for seamless task management on desktop browsers.
- Built a To-Do App using React Native for mobile platforms, providing users with an intuitive and mobile-friendly solution for managing tasks. The app allows users to create, edit, and delete tasks, categorize them, and set deadlines, with notifications for reminders and optimized performance on both Android and iOS devices.

Weather App – Javascript

- Developed a Weather App using JavaScript, allowing users to check real-time weather conditions based on their location. Integrated APIs to retrieve weather data, displaying key information such as temperature, humidity, and weather forecasts with an intuitive and responsive UI.