



Biography

Mohtasim Arif - Software Engineer | ML Enthusiast

Software Engineer with **3+ years of experience** in **Web development, machine learning, and React Native Development**. Skilled in **React.js, JavaScript, Python, and Node.js**, with hands-on experience in **Generative AI & LLM Engineering, NLP, and Image Processing**. Proficient with **LangChain, LlamaIndex, Hugging Face, NLTK, OpenCV, and Scikit-Image**. Passionate about integrating ML models into applications to drive automation, efficiency, and intelligent decision-making.

Work experience

Mohtasim Arif

Bachelor in Computer Science (BS.CS.)

- ▶ 25.08.2002 in Jand, Attock
- ▶ Pakistan
- ▶ Unmarried

Skills

Web development 3+ yrs

SQA 1+ yrs.

ML Enthusiast 3+ yrs.

DeVOPs 2+ yrs.

App Development 1+ yrs.

Data science 0.6+ yrs.

Communication Skills

English

Software Engineer

01/2023 - 03/2023

Project E-Commerce Website
Freelance

Developed and maintained scalable web applications using **React.js, JavaScript, and Node.js**. Integrated Machine Learning models using **NLP** and **Scikit-learn** for predictive analytics and automation. Designed intuitive UI/UX interfaces with **Figma** and **Adobe XD** to enhance user experience. Developed a full-stack e-commerce website with secure authentication, dynamic product management, and seamless payment integration using MongoDB, Express.js, React.js, and Node.js (MERN stack).

Software Engineer

06/2023 - 07/2023

Resume Builder Project
Freelance

Designed and developed a dynamic Resume Builder web application using React.js, JavaScript, and Node.js. Implemented customizable templates, real-time preview, and PDF export functionality. Integrated user authentication and data storage using Firebase and MongoDB. Enhanced user experience with an intuitive UI/UX design using Tailwind CSS and Material UI.

Machine Learning Engineer

02/2024 - 04/2023

Health-Chatbot
Project From University

Worked on NLP-based chatbot models using Python, Scikit-learn, and TensorFlow. Conducted sentiment analysis and text classification projects. Optimized ML model performance and deployment for real-time applications.

SafeRoad AI (FYP)

03/2024 - 11/2025

Personal Project / Research Project

Developed an AI-powered **Safe Road Ai** integrating web development and machine learning. Built a web-based dashboard using React.js, Node.js, and MongoDB for real-time traffic monitoring and data visualization. Implemented YOLOv8 for vehicle detection, traffic density analysis, and anomaly detection. Optimized the model for real-time performance using OpenCV and TensorFlow. Enhanced user interaction with an intuitive UI/UX, providing live traffic insights and congestion predictions.

Education

02/2022 - 12/2025

Bachelor in Computer Science (Bs.CS.)

COMSATS Institute of Information and Technology, Attock Campus
Software Developer • ML Enthusias • UI/UX • DevOps .

03/2018 - 08/2020

FSc Pre-Engineering

Punjab Group of College, Jand Campus

02/2016 - 02/2018

Matric Computer Science

Bahria Foundation College

Mobile App Developer

Water Drink Remainder
 Personal Project

01/2025 - 03/2025

Built cross-platform mobile applications using React Native. Implemented back-end logic with Firebase and Node.js. Focused on performance optimization and smooth UI interactions.

Skills

Software Quality Assurance (SQA) Intern

Software Quality Assurance (SQA) Intern at Fantech Labs, where I assisted in manual testing of web applications, created and executed test cases, identified and reported defects, and collaborated with developers to ensure software quality. Gained practical experience in SDLC, STLC, functional and regression testing, and quality assurance best practices.

Web Developer

Web Developer with 2+ years of experience in building scalable web applications using **React.js**, **Node.js**. Proficient in databases including **SQL**, **MongoDB**, and **Firebase**. Previously worked at **Axthtech**.

Machine Learning Engineer

Machine Learning Engineer with **3+ years of experience** using **Python** for developing and deploying intelligent systems. Strong hands-on experience with **Jupyter Notebook** and **Google Colab** environments. Possess a high level of expertise in **Natural Language Processing (NLP)**, **Image Processing**, and **Generative AI**. Proficient in industry-standard libraries including **NLTK**, **spaCy**, **PyTorch**, **Scikit-learn**, **TensorFlow**, **OpenCV**, and **Hugging Face Transformers** for building, training, and optimizing machine learning and generative AI models.

React Native Developer

React & React Native Developer with strong experience in building **cross-platform mobile and web applications** using **React.js**, **React Native**, **Next.js**, and **JavaScript**. Skilled in developing **high-performance, reusable UI components**, implementing **state management**, **API integration**, and **real-time features**. Experienced with core React Native capabilities including **native device access (camera, location, storage)**, **navigation**, **responsive layouts**, **offline support**, and **optimized performance** for Android and iOS platforms.

Interests

- ▶ Photography
- ▶ Gaming
- ▶ Music
- ▶ Travel

Contact

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