Syed Amanat Ali

+923095055279 | syedamanatalishahkazmi@gmail.com |
LinkedIn: www.linkedin.com/in/amanat-ali-765110264/|
Github: https://github.com/amanat838

Summary

Software Engineer with hands-on experience in Full-Stack development using React.js/Next.js and backend technologies like Node.js, Express.js, MongoDB, and SQL. Currently focusing on Python with foundational knowledge in machine learning, having built models for data-driven solutions. Successfully contributed to dynamic web applications by developing responsive and visually engaging interfaces. Strong team player in Agile environments with a passion for emerging technologies and a drive to build impactful digital solutions. Currently seeking opportunities as a Junior Machine Learning Engineer or Data Scientist to apply and grow my skills in real-world, data-driven projects.

Education

COMSATS University Islamabad
Bachelor of Science, Software Engineering   Jan 2024

Work Experience

DevEntia

Pakistan
Software Engineer   Jan 2023-Dec 2023

- Collaborated with Agile teams to design, develop, and test scalable frontend applications using React and Next.js.
- Collaborated with cross-functional teams to deliver user-friendly, responsive interfaces using React/Next.js, enhancing functionality and design.
- Developed and maintained robust backend services using Node.js and Express.js, enabling seamless communication between the server and client-side applications.
- Designed and optimized scalable database architectures with MongoDB and SQL, ensuring efficient data storage, retrieval, and management.

CodeUpScale

Pakistan
Jan 2024-Dec 2024
Software Engineer

- Developing responsive and interactive user interfaces using React.js, jQuery, and related technologies.
- Collaborating with designers and team members to implement visually appealing and functional frontends.
- Developed and maintained scalable JavaScript applications, optimizing performance and user-experience across various web platforms using modern frameworks and libraries.
- Explored machine learning fundamentals using Python, applying basic models and data analysis techniques to internal tools and prototypes as part of personal development and team-side experimentation.
- Built proof-of-concept ML models for classification and regression tasks using scikit-learn, pandas, and NumPy during team-side experimentation.
- Worked on preprocessing pipelines and visualizing data insights to support decision-making and enhance experimentation in early-stage ML projects.
- Experimented with Generative AI models such as LLaMA and GPT for building tools like automated email and content generators, exploring prompt engineering and real-world applications of large language models.

Projects

Cervello
Designed and developed Cervello, a web platform for facilitating military weapon procurement, ensuring secure and efficient operations.

Strata
Built Strata, a versatile real estate platform offering functionalities for selling, renting, and reserving houses, with a focus on seamless user experience and efficient property management.

CO2 Emission Prediction Using Random Forest Regressor

Developed a CO_2 emission prediction model using Random Forest Regressor to estimate vehicle emissions based on engine and fuel-related features. Performed data preprocessing, feature selection, and model tuning to improve prediction accuracy. Gained hands-on experience in regression modeling, evaluation metrics, and real-world environmental data analysis.

Medical Insurance Prediction using Machine Learning

Built a machine learning model to predict medical insurance costs based on user attributes such as age, BMI, smoking status, and region. Utilized regression algorithms, including Linear Regression and Random Forest, with data preprocessing and feature engineering. Improved model performance through hyperparameter tuning and evaluated results using metrics like MAE and R^2 score.

Donation Website with Crypto Payment using MERN

Developed a full-stack donation platform using the MERN stack, enabling users to make secure contributions via a crypto payment gateway. Integrated blockchain-based payment processing for transparency and real-time transaction tracking. Designed a responsive UI and implemented backend logic for handling donations, user data, and authentication.

Career Advisor Chatbot (Under Development)

This project aims to guide users through career choices using natural language input. It leverages intent classification and keyword extraction to understand user queries about fields, skills, and job roles. Future updates will integrate personalized recommendations based on user preferences and goals using machine learning.

Cold Email Generator Using LLama

Built a tool using LLaMA 3-70B and LangChain to automatically generate personalized cold emails from job descriptions. It extracts key skills, matches them with relevant portfolio projects, and uses prompt engineering to create context-aware email content. The tool is deployed via Streamlit with a clean markdown output for easy use.

LinkedIn Post Generator – Generative AI for Content Creation

Created an AI-powered tool that generates engaging LinkedIn posts using LLaMA and prompt-based content modeling. It analyzes influencer writing patterns and replicates tone, structure, and value-driven messaging to help users build a strong personal brand. Automated scraping and prompt tuning ensure relevant and on-brand content output.

Skills

Languages: Python ,JavaScript, React.js, Flask, TypeScript

Backend & Databases: NodeJS, Express.js, Django, MongoDB, SQL, FAST API

Version Control: Git, GitHub

Tools & Libraries: Redux, Context API, React Query, Scikit-learn, Pandas, NumPy, Matplotlib, TensorFlow (basic), Keras (basic)

Practices: Full-Stack Development, Machine Learning Model Development, Data Preprocessing