Nabeel Ahmad

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Summary

Software Engineer with 4 years of experience in backend development, frontend integration, and data-driven systems. Passionate about applying machine learning fundamentals to improve automation, prediction, and optimization in real-world applications. Skilled in Python, data analysis, and building end-to-end web platforms combining intelligent logic with scalable software design.

Experience

IBEX GLOBAL   **Jun 2024 - Present**
Software Engineer

- Enhanced "Quartz," a time-keeping and payroll system used across multiple global regions.
- Integrated basic machine learning models for pattern recognition and anomaly detection in attendance and payroll data.
- Used Python and scikit-learn for data preprocessing, feature analysis, and predictive testing.
- Improved scheduling accuracy through data-driven optimization and trend analysis.
- Collaborated with cross-functional teams to ensure stability, performance, and maintainability

IBEX GLOBAL   **Jun 2022 - June 2024**
Analyst Software Engineer

- Developed and maintained robust web systems for call center compliance and data security, ensuring adherence to global regulatory standards and organizational policies.
- Contributed to the enhancement of time-keeping and payroll automation systems, integrating data-driven logic and exploring deep learning approaches to improve anomaly detection, attendance prediction, and decision accuracy.
- Conducted training sessions for agents and supervisors on system functionality, data management, and best operational practices, promoting consistent and efficient use of intelligent automation tools.
- Utilized Git version control for collaborative development, efficiently managing repositories, branches, and merge workflows across distributed teams.

IBEX GLOBAL   **Feb 2022 - May 2022**
Software Engineer Intern

- Assisted in database migration from MySQL to MongoDB, optimizing data accessibility and performance.
- Assisted in writing data-cleaning scripts for ML-ready datasets.

Education

Punjab University College of Information Technology (PUCIT)   **Oct 2018 - Jun 2022**
Software Development

Unique College   **Mar 2016 - May 2018**
Faculty of Science

The Govt Science School   **Mar 2014 - Feb 2016**
Matriculation Science

Projects

IBEX Projects   **Jun 2022 - Present**

- Implemented a full-stack time-keeping web application for agents and supervisors using React, PHP, and MySQL, enabling efficient attendance tracking and real-time monitoring.
- Developed a full-stack web app for workforce attendance using React and PHP.
- Integrated basic ML models for anomaly detection and attendance prediction.
- Visualized trends using Python libraries (Pandas, Matplotlib) to enhance payroll accuracy.
- Developed scalable enterprise web applications with .NET backend APIs and React frontends, integrating RESTful services to enhance responsiveness, user experience, and system performance.
- Built a scalable time-tracking and payroll automation system deployed across six global regions, used by enterprise clients such as Amazon and Walmart, and integrated with Workday for automated data processing and payroll generation.
- Applied deep learning and predictive analytics to improve anomaly detection, attendance forecasting, and payroll accuracy, leveraging models trained on historical activity data.
- Contributed to the integration of AI-driven insights for compliance monitoring and workforce optimization, aligning system intelligence with organizational performance goals.

Other Projects   **Dec 2020 - Jun 2022**

• Build & deploy a social network app using React, Typescript, MongoDB, Redis, Queues, AWS, Terraform, CircleCI & more
• Designed and Enhanced responsive web pages using HTML, CSS, Bootstrap, and React for various coursework projects, ensuring cross-browser compatibility and optimal performance
• Developed a Campus Management System, creating reusable React components and implementing efficient CSS styling to enhance the front-end user experience
• Engineered an innovative e-learning platform with React and Core PHP, integrating a robust OTP-based authorization system that enhanced security for over 500 active users engaging in interactive learning experiences

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Skills

Backend

PHP - Laravel - Yii - Dot-Net core, machine learning - python - AI Agents

Frontend

JavaScript - React JS - Type Script

Web Technologies

HTML - CSS - jQuery - Bootstrap

Machine Learning

Python, NumPy, Pandas, scikit-learn, Data Preprocessing, Regression & Classification Models