Bhavesh Sharma

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Proficient Software development with expertise in building scalable web applications and deploying systems using modern tools like Docker, Nginx, and GitHub. Experienced in CRM development, data analysis, and quality optimization. Skilled in integrating APIs, enhancing UIs with React.js, and managing databases with MongoDB. Adept at predictive analytics, machine learning, and visualization tools. Strong background in software engineering with a focus on reliability and collaborative development.

Experience

Jun 2024 – Nov 2024 **Full Stack Developer || SevenZin PVT Ltd, Gurgaon, HR**
- Developed a CRM system using the MERN stack with Material UI and Redux Toolkit for efficient workflow management .
- Deployed on Hostinger VPS via Nginx, leveraging Microservices, JWT authentication, and reducing downtime by 20% using Docker for scalability.
- Streamlined development cycles by 30% through efficient GitHub version and implemented Jest.js for unit and integration testing.

Sep 2023 – Jan 2024 **Benefits Intern || Epay Systems, Noida, UP**
- Analysed and validated clientSpace dashboards, ensuring 100% accuracy in setup configurations.
- Created success guides, reducing errors by 50% and improving data reliability.
- Conducted quality analytics using clientSpace, identifying 99% of optimization opportunities.

Mar 2023 – Sep 2023 **Software development engineer Intern || Coderixx, Noida, UP**
- Collaborated with cross-functional teams to develop the Crypto-wallets NPM Module and SoleKart, integrating backend and frontend functionalities API.
- Implemented intuitive UI features built in React.js and CSS3, enhancing user interfaces, facilitating data-driven decision-making, and leveraging JavaScript knowledge.
- Employed MongoDB database with 100,000+ records, a web-based cloud platform database, to fulfil business requirements.

Key Skills

- ➢ **Programming languages:** Python (primary), JavaScript, NoSQL,
- ➢ **Software Engineering:** RESTful API Development & Integration, Version Control with Git and GitHub, Agile Development & Scrum Methodology, Debugging and Unit Testing, CI/CD, Docker.
- ➢ **Web Stack:** MongoDB, Express.js, React, Node.js, WebSocket, Next.js, Tailwind CSS.
- ➢ **Platform:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA.
- ➢ **Soft skills:** Rapport Building, Communication, Team Collaboration, Project delivery, Client Engagement.

Education

Aug 2022 – Aug 2024 **Master of Computer Application (PG)** Greater Noida, UP, India
Bennett University
Data Science || GPA: 9.16

Jun 2018 - Jul 2021 **Bachelor of Computer Application (UG)** Jaipur, Rajasthan, India
Jaipur National University
Computer Science and Information Technology || GPA: 6.92

Projects

Jan 2023 **Fraud Detection ([GitHub Link](#))**
- Developed a machine learning model to identify fraudulent financial transactions using NLP.

- Achieved a remarkable 99.98% accuracy in detecting fraudulent financial transactions through implementation of an XGBoost based (CNN) classification fraud detection system.

Mar 2023 **Predictive Analytics for Energy Consumption Forecasting (**[GitHub Link](#)**)**
- Employed predictive analytics techniques, such as Long Short-Term Memory (MAE: 5.600), to forecast energy consumption trends, thereby facilitating efficient resource management.
- Implemented machine learning models to enhance accuracy (98.9%), navigating through numerous challenges encountered during project development and deployment.

Jan 2023 **Superstore Sales Analysis with PowerBI (**[GitHub Link](#)**)**
- The aim of this project is to deliberately analysed the superstore sales dataset by harnessing the capabilities of Microsoft PowerBI to effectively sort and visualizations data insights.
- The company achieved total sales of $3 million and total profit of $400.9K from 2011 to 2014.

Publications Or Research Work

Jan 2024 – May 2024 **From Black Box to Glass Box: Unveiling the Decision-Making Process of AI Models in Tuberculosis Detection Using Explainable AI Techniques. – "Sharma, Bhavesh"**
- Developed a novel method with Explainable AI techniques, enhancing tuberculosis detection accuracy in chest X-ray images.
- Achieved a model accuracy of 99.82% in classifying tuberculosis with Convolutional Neural Networks (CNNs).
- Applied Grad-CAM and LIME, providing transparent explanations for CNN predictions, boosting trust in AI-driven diagnoses.
- Integrated experienced radiologists' decision-making processes, improving diagnostic accuracy and reliability.
- Employed a three-phase training process, identifying multiple lung diseases and pinpointing tuberculosis infection areas.

Certification

Jan 2023	IBM Data Science Specialization	Coursera
Apr 2023	Overview of Agile & DevOps	Infosys
Apr 2023	Agile Scrum Training	Infosys
Apr 2023	Software Engineering	Infosys
Jun 2023	JavaScript Algorithms and Data Structures	Freecodecamp
Nov 2022	Fundamentals of Visualization with Tableau	Coursera
Dec 2022	Dynamic Programming, Greedy Algorithms	Coursera