

Mohammed Qizar Bilal

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Professional Summary

Motivated Software Development Engineer with hands-on experience in Python, JavaScript, and SQL, specializing in building scalable software systems and applying strong problem-solving skills. Proficient in data structures, algorithms, and object-oriented programming, with exposure to both frontend development and applied AI/ML projects. Adept at collaborating within Agile teams, debugging, and delivering maintainable code. Eager to contribute and grow as an SDE I in a dynamic, engineering-driven environment.

Professional Experience

Frontend Developer · [Zidio Development](#)

• [Sep 2025 - Dec 2025](#)

- Developed and enhanced production-facing frontend features with a focus on clean component structure, predictable behavior, and maintainable UI logic.
- Integrated frontend components with backend APIs, troubleshooting and resolving issues to ensure reliable data flow and a seamless user experience.
- Refactored existing code to improve readability, reusability, and performance, collaborating effectively within a Git-based team environment.

Projects

Student Performance Prediction · [LINK](#)

[Dec 2023 - Feb 2024](#)

[Python](#) [Machine Learning](#) [Pandas](#) [Scikit-learn](#)

- Engineered and deployed a machine learning model achieving 96% accuracy in forecasting student academic performance.
- Enhanced data quality by 33% through effective handling of missing values and encoding of categorical variables.
- Experimented with classification and regression algorithms to determine the optimal predictive approach.
- Analyzed key factors influencing academic outcomes, providing actionable insights for stakeholders.

Credit Card Fraud Detection · [LINK](#)

[Sep 2023 - Oct 2023](#)

[Python](#) [Machine Learning](#) [Logistic Regression](#) [Feature Engineering](#)

- Developed and optimized a logistic regression-based model, achieving 87% accuracy in detecting credit card fraud.
- Reduced false positives by 16% through advanced feature engineering and hyperparameter tuning.
- Applied under-sampling and ensemble techniques to address class imbalance, improving model performance by 15%.
- Enhanced fraud mitigation efficiency by 23% and overall model accuracy by 6%.

Heart Disease Prediction · [LINK](#)

[Jul 2023 - Aug 2023](#)

[Python](#) [Logistic Regression](#) [Data Analysis](#) [Healthcare Data Security](#)

- Led the development of a logistic regression model for heart disease prediction, achieving 91% accuracy and exceeding industry benchmarks.
- Implemented HIPAA-compliant data encryption protocols, reducing data breach incidents by 40% and ensuring patient privacy.
- Promoted ethical data practices while contributing to robust, data-driven healthcare solutions.
- Improved healthcare outcomes by 26% through accurate disease prediction and actionable insights.

Education

Bachelor of Engineering · Computer Science and Engineering ·

[8.86](#) · [Nov 2022 - Present](#)

[Priyadarshini Engineering College](#)

Higher Secondary Education · [Al-Ameen Matric.Hr.Sec.School](#)

• [Jun 2020 - May 2022](#)

Skills

Programming Languages

[Python](#) [SQL](#) [JavaScript](#) [TypeScript](#)

Web Technologies

[HTML](#) [CSS](#)

Core Computer Science

[Data Structures & Algorithms](#) [Object-Oriented Programming](#) [Complexity Analysis](#)

Software Engineering

[Modular Code Design](#) [API Integration](#) [Debugging](#) [Version Control](#)

Development Tools

[Git](#) [GitHub](#) [Visual Studio Code](#) [Jupyter Notebook](#)

Soft Skills

[Analytical Thinking](#) [Problem Solving](#) [Collaboration](#) [Effective Communication](#)

Certificates

Programming in Python · [Meta](#) Mar 2023 - Dec 2026

Introduction to Data Analyst · [IBM](#) Mar 2023 - Dec 2026