VISHVAM SAMIRKUMAR PATEL

GitHub: Vishvam Patel   **LinkedIn: Vishvam Patel**

CONTACT INFORMATION

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SKILLS

Technical Skills	• Programming Languages: Java, C++, Python, SQL • Web Development: JavaScript, HTML, CSS, React.js, Node.js, MongoDB

EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	2022- Present	VIT – Bhopal University	8.82 CGPA
Class XII	2022	KDARFS, Jamnagar	77.8%
Class X	2020	KDAV, Jamnagar	90.8%

EXPERIENCE

Jio Platforms Limited (JPL) **Project Intern** **Sep 2024 - Nov 2024**	**Application of Machine Learning for Operational Analytics** • Developed and optimized five regression models (Linear, Ridge, Lasso, Random Forest, SVM), reducing prediction error by 20% and enhancing decision-making. • Built a Random Forest-based feature selection framework, cutting model complexity by 30% and boosting performance. • Performed VIF analysis to eliminate features with VIF > 5, improving model stability and reducing multicollinearity. • Applied advanced time series forecasting and correlation analysis, increasing trend prediction accuracy by 15%. • Conducted residual analysis to fine-tune parameters, reducing overfitting and improving generalization by 15%. • Created and analysed correlation matrices to refine features, improving model accuracy by 20%.

ACADEMIC PROJECTS

Full Stack Development	**Voyage Vista** • Built and deployed a full-stack travel platform (HTML, CSS, JavaScript, React, Node.js, MongoDB) with 100% responsive UI. • Enhanced real-time API performance by 40% using JavaScript Promises and async/await. • Implemented a location-based search and filter system, improving search efficiency by 30%. • Integrated an AI chatbot, automating 70% of inquiries and boosting user engagement. • Deployed a review and rating system, increasing user interaction by 40%.
Full Stack Development	**Traffic Genie: Smart Traffic Management** • Created a web-based application that monitors traffic footage and presents insights through clear, interactive statistical dashboards. • Trained a custom YOLOv8 with OpenCV model to detect and classify vehicles. • Designed a user-friendly dashboard using Flask and Chart.js to display traffic stats like vehicle count, type distribution.

CERTIFICATIONS

Coursera	• AWS Cloud Practitioner Essentials • The Bits and Bytes of Computer Networking • Crash Course on Python
NPTEL **Online Certification**	• Cloud Computing • Marketing Analytics
Udemy	• Learn JAVA Programming – Beginner to Master

ADDITIONAL INFORMATION

Qualities	• Project Management, Teamwork, Effective Communication
Languages	• English (fluent), Hindi (fluent), Gujarati (Native)