VISHVAM SAMIRKUMAR PATEL

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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	June 2022	KDARFS, Jamnagar	77.8%
Class X	June 2020	KDAV, Jamnagar	90.8%

EXPERIENCE

Jio Platforms Limited (JPL) Project Intern Sep 2024 - Nov 2024	**Application of Machine Learning for Operational Analytics** • Designed and optimized a suite of five advanced regression models (Linear, Ridge, Lasso, Random Forest, and SVM Regressor) to enhance operational efficiency, resulting in a 20% reduction in prediction errors and improved decision-making capabilities. • Engineered and implemented a Random Forest-based feature selection framework, effectively reducing model complexity by 30%, which enhanced both predictive accuracy and computational efficiency. • Refined and executed a comprehensive Variance Inflation Factor (VIF) analysis, systematically identifying and eliminating highly correlated features with VIF > 5, leading to improved model stability and a significant reduction in multicollinearity. • Applied and fine-tuned advanced time series forecasting techniques and correlation analysis, increasing trend prediction accuracy by 15%, enabling more precise data-driven decision-making. • Conducted residual analysis to evaluate model performance, optimizing parameter selection and reducing overfitting, which led to a 15% improvement in model generalization. • Generated and analyzed correlation matrices, identifying key variable dependencies and refining feature engineering, resulting in a 20% increase in model accuracy by eliminating redundant predictors.

ACADEMIC PROJECTS

Full Stack Development	**Voyage Vista** • Developed and deployed a full-stack travel and tourism platform using HTML, CSS, JavaScript, React, Node.js, and MongoDB, ensuring a 100% responsive and interactive UI for seamless cross-device accessibility. • Optimized and streamlined real-time data handling using JavaScript Promises and async/await, improving API response efficiency by 40%, ensuring faster booking and information retrieval. • Built a location-based search and filtering system, improving user search efficiency by 30% and enabling seamless discovery of destinations, accommodations, and attractions. • Developed and integrated an AI-powered chatbot, automating 70% of customer inquiries, reducing response time, and enhancing user engagement. • Designed and deployed a community-driven review and rating system, increasing user interaction by 40%, allowing travelers to share experiences and provide destination-based recommendations.

CERTIFICATIONS

Coursera	- AWS Cloud Practitioner Essentials - The Bits and Bytes of Computer Networking - C for Everyone: Programming Fundamentals - C for Everyone: Structured Programming - Crash Course on Python
NPTEL Online Certification	• Cloud Computing
Udemy	• Learn JAVA Programming – Beginner to Master

EXTRA-CURRICULARS AND ACHIEVEMENTS

Responsibilities	• Core Member, BashCraft Club VIT-Bhopal

ADDITIONAL INFORMATION

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