

VISHVAM SAMIRKUMAR PATEL

GitHub: [Vishvam Patel](#)

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CONTACT INFORMATION

- Email Id: vishusp11@gmail.com
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SKILLS

Technical Skills	<ul style="list-style-type: none">Programming Languages: Java, C++, Python, SQLWeb Development: JavaScript, HTML, CSS, React.js, Node.js, MongoDB
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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 <ul style="list-style-type: none">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%.
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ACADEMIC PROJECTS

Full Stack Development	Voyage Vista <ul style="list-style-type: none">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 <ul style="list-style-type: none">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	<ul style="list-style-type: none">AWS Cloud Practitioner EssentialsThe Bits and Bytes of Computer NetworkingCrash Course on Python
NPTEL Online Certification	<ul style="list-style-type: none">Cloud ComputingMarketing Analytics
Udemy	<ul style="list-style-type: none">Learn JAVA Programming – Beginner to Master

ADDITIONAL INFORMATION

Qualities	<ul style="list-style-type: none">Project Management, Teamwork, Effective Communication
Languages	<ul style="list-style-type: none">English (fluent), Hindi (fluent), Gujarati (Native)