

Piyush Kahale

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Objective

An Engineering student with strong problem-solving skills passionate about Full Stack Development, Machine Learning, and exploring new learnings to deliver impactful solutions.

Education

PVG COE & SSDIOM Nashik B.E. in AI-DS (GPA: 7.48/10).	(2021 – 2025)
Arambha Mahavidyalaya, Nashik HSC Board - Science (80.67%).	(2021)
Purushottam English School, Nashik SSC Board (81.80%).	(2019)

Technologies

Languages: C, C++, Javascript, Java

Technologies: HTML, Node.js, React.js, Next.js, CSS, Tailwind, Flask.

Databases: MySQL, MongoDB.

Tools: Git, Github, Redux, REST APIs, Cloud Services.

Core Competencies: Object-Oriented Programming, Data Structures & Algorithms, Machine Learning, Operating System, Database Management System.

Experience

Frontend Internship , Orinson Technology Pvt. Ltd	(Dec 2024 - Feb 2025)
<ul style="list-style-type: none">Implemented WebRTC for live video/audio streaming with 50% higher reliability and 20% lower latency, and integrated Socket.io for low-latency, bi-directional communication between clients.Used JWT for secure user authentication, configured CORS for safe cross-origin access, and set up a STUN server to enable seamless peer-to-peer connections across networks.Integrated MongoDB Atlas to handle user data in JSON format, supporting data parsing, full CRUD operations, and persistent session handling.	

Projects

Prompt to Dataset - A Platform for AI-Ready Custom Dataset Generation	(Oct 2024 - Apr 2025)
<ul style="list-style-type: none">Developed a platform enabling ML and data science users to generate custom, pre-processed, and synthetic datasets tailored to their needs.Delivered real-time model and preprocessing recommendations based on input data, supporting multiple formats including CSV, JSON, and JPG.Leveraged GANs for synthetic data generation and employed unsupervised learning techniques for automated data analysis and enhancement.	
Tour And Travel Web Application	(Feb 2024 - June 2024)
<ul style="list-style-type: none">Built a full-stack web application for browsing, booking, and managing travel destinations, delivering a seamless and intuitive user experience.Integrated RESTful APIs, Mapbox for geolocation and mapping, and cloud services to enhance platform functionality and scalability.Utilized MongoDB Atlas for data storage and management, implementing full CRUD operations for users, bookings, and travel destinations within a robust MVC architecture.Integrating a secure payment gateway to enable smooth and reliable online transactions for booking confirmations.	