

Vivek Jetani

Product Engineer | AI-Powered Full-Stack Developer

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PROFILE

Curious and impact-driven Product Engineer with a passion for building intelligent software solutions. Experienced in full-stack development (React, Flask, Node.js) and AI/ML (LLMs, Generative AI, Transformers). Adept at identifying user needs, rapidly prototyping solutions, and integrating APIs and automation into scalable applications

SKILLS

Product Development & Full-Stack

React.js, Next.js, Node.js, Flask, FastAPI, TypeScript, HTML/CSS, REST APIs, Git, GitHub, Postman, Swagger, Firebase, Docker (basic), Vercel

AI/ML & Automation

OpenAI APIs, LangChain, TensorFlow, PyTorch, Hugging Face, Transformers, Generative AI, LLM integration, Predictive Analytics, Prompt Engineering

Mindset & Tools

Agile/Scrum, Use-case Analysis, Rapid Prototyping, Cross-functional Communication, CI/CD (basic), SQL, MongoDB, Linux Terminal, Cloud Deployment (GCP, AWS)

Soft Skills

Problem Solving, Ownership Mindset, Team-first Attitude, Adaptability, Clear Documentation, Demo Presentation, Feedback Integration, Continuous Learning

Collaboration & Professional Behavior

Collaboration, Communication Skills, Willingness to Learn, Technical Curiosity, Customer-Centric Approach, Respectful Attitude, Supportive Nature

PROJECTS

Autodriving in GTA V

Dec 2024 – May 2025

Autonomous Vehicle Simulation

- **Technologies:** TensorFlow, OpenCV, Python, InceptionResNetV2, Linux
- Designed and trained a custom CNN using InceptionResNetV2 to enable self-driving in GTA V from visual input.
- Collected training data via gameplay screen capture and labeled steering angles.
- Used TensorFlow and OpenCV for model training and video processing.
- Evaluated performance with TensorBoard and custom metrics.
- Completed full ML pipeline from data acquisition to real-time control simulation.

Share the Certificate

Jan 2025 – Jan 2025

Automated Certificate PDF & Email Tool (Python)

- **Technologies:** Python, SMTP, Jinja2 HTML Templates, CSV, smtplib
- Built a script to convert JPG certificate images to PDFs and send them via email using a CSV contact list.
- Integrated customizable HTML email templates for personalization.
- Automated bulk email delivery, ideal for events, workshops, and certifications.

JetMathX (jetmathx.vercel.app)

Mar 2025 – Mar 2025

Mathematical Expression Solver

- **Technologies:** Flask, SymPy, Python, HTML/CSS, Vercel
- Developed a Flask-based API using SymPy to solve algebraic and calculus expressions.
- Solved expressions from scratch using mathematical logic without ML.
- Ideal for academic tools and symbolic computation learning environments.

How Many Bunk I Can Have? (hmbich.vercel.app)

Mar 2025 – Apr 2025

Attendance Tracker with Bunk Forecasting

- **Technologies:** React, Flask, Node.js, JavaScript, Vercel, GitHub, Chrome Extension APIs
- Built a full-stack app using Flask, React, and Node.js to calculate allowable class bunks and forecast attendance needs.
- Developed a companion Google Chrome extension that automates attendance checking by displaying a user's bunk status in a popup when they visit the university's ERP website.
- Provided real-time input, visual feedback, and planning suggestions to improve student attendance awareness.

Gen-AI-PPSU-2024 (genaippsu.vercel.app)

Oct 2024 – Nov 2024

Rank Website

- **Technologies:** React, Firebase, Firestore, Vercel, GitHub
- Created and deployed a responsive React website hosted on Vercel.
- Displayed real-time ranks of participants during GDG PPSU Gen-AI events.
- Enhanced event engagement, visibility, and post-event transparency.

PROFESSIONAL EXPERIENCE

Globewarts

Apr 2025 – Present | Surat, India

Technical Specialist

- Automated client tasks using modular scripts for formatting, conversion, and reporting.
- Reduced manual work by 70% through backend process optimization.
- Integrated Generative AI models to scale academic support services.

Google Developer Group – GDGc PPSU

Sep 2024 – Aug 2025 | Surat, India

GDGc PPSU Lead & Campus Organizer

- Led 10+ technical events and workshops, reaching 500+ students and developers.
- Built and deployed a React dashboard for real-time participant ranking during Gen-AI competitions.
- Promoted AI tools like Vertex AI, Firebase ML, and Hugging Face through sessions.
- Collaborated with GDEs and faculty to grow an AI-driven student developer community.

EDUCATION

P P Savani University

Apr 2022 – Apr 2026 | Surat, India

Computer Science Engineering

Focused on core areas including Data Structures, Algorithms, Artificial Intelligence, Machine Learning, Web Development, and Cloud Computing. Served as **GDG PPSU Lead**, organizing and hosting technical events, workshops, and AI-based community sessions. Completed hands-on projects in Generative AI, NLP, and full-stack development.

CERTIFICATES

Indian Institute of Technology, Kharagpur :

- Problem Solving Through Programming In C [↗](#)

DeepLearning :

- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization [↗](#)
- Neural Networks and Deep Learning [↗](#)

IBM :

- What is Data Science? [↗](#)
- Tools for Data Science [↗](#)
- Data Science Orientation [↗](#)

University of Michigan :

- Programming for Everybody (Getting Started with Python) [↗](#)
- Python Data Structures [↗](#)
- Using Python to Access Web Data [↗](#)
- Using Databases with Python [↗](#)
- Capstone: Retrieving, Processing, and Visualizing Data with Python [↗](#)
- Introduction to Structured Query Language (SQL) [↗](#)

Google :

- The Bits and Bytes of Computer Networking [↗](#)
- Perform Foundational Data, ML, and AI Tasks in Google Cloud [↗](#)
- Introduction to Generative AI [↗](#)
- Create and Manage Cloud Resources [↗](#)
- Build and Secure Networks in Google Cloud [↗](#)
- For more : Google Skill boost [↗](#)

Google Developer Group on Campus P P Savani University - Surat, India

- Gen Ai Study Jams Leaders [↗](#)
- Gen Ai Study Jams Completion [↗](#)
- Tech Globe Fest Coordination [↗](#)
- Tech Globe Fest [↗](#)

COURSES

Python for Everybody [↗](#)

Aug 2023 – Oct 2023

University of Michigan

Completed a Python Specialization covering data structures, APIs, and databases, with a capstone project focused on building real-world applications for data retrieval, processing, and visualization.