

Vivek Jetani

AI/ML Engineer

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🐙 github.com/vivekjetani 🔗 vivekjetani.vercel.app

PROFILE

Passionate and results-driven AI/ML Engineer with hands-on experience in building, training, and deploying machine learning models. Skilled in Generative AI, predictive analytics, NLP, and data manipulation. Capable of developing models from scratch using core mathematical concepts, without relying on pre-built libraries. Eager to contribute to cutting-edge innovations like Generative Intelligence at INAI Worlds.

SKILLS

ML & AI

Supervised/Unsupervised Learning, Deep Learning (CNN, RNN, Transformers), Generative AI (LLMs, GANs), NLP (BERT, GPT), Predictive Analytics, Transfer Learning, Model Optimization, Math for ML (Linear Algebra, Probability, Stats, Calculus)

Programming

Python, Java, C/C++, TensorFlow, PyTorch, Keras, NumPy, Pandas, Scikit-learn, OpenCV, Matplotlib, Seaborn, Hugging Face

Data & Web

Web Scraping (BeautifulSoup, Selenium, Scrapy), SQL, SQLite, MongoDB (basic), REST APIs, JSON, Data Cleaning & Visualization (Tableau, Power BI)

Cloud & DevOps

Git, GitHub, GCP, AWS (basic), Docker, Flask, FastAPI, CI/CD (basic)

UI/UX & Frontend

Figma (wireframing), HTML, CSS, JavaScript (basic for dashboards)

Soft Skills

Problem Solving, Agile/Scrum, Team Collaboration, Documentation, Research & Reporting

PROJECTS

Autodriving in GTA V

12/2024 – 05/2025

Autonomous Vehicle Simulation

- 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 [↗](#)

01/2025 – 01/2025

Automated Certificate PDF & Email Tool (Python)

- 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) [↗](#)

03/2025 – 03/2025

Mathematical Expression Solver

- 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) [↗](#)

03/2025 – 04/2025

Attendance Tracker with Bunk Forecasting

- Built a full-stack app using Flask, React, and Node.js to calculate allowable class bunks.
- Provided real-time input, visual feedback, and planning suggestions.
- Aimed at improving student attendance awareness and planning.

Gen-AI-PPSU-2024 (genaippsu.vercel.app) [↗](#)

10/2024 – 11/2024

Rank Website

- 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

04/2025 – 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

09/2024 – 08/2025 | 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

04/2022 – 04/2026 | 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 Infrastructure Tasks in Google Cloud [↗](#)
- Perform Foundational Data, ML, and AI Tasks in Google Cloud [↗](#)
- Introduction to Generative AI [↗](#)
- Google Cloud Computing Foundations: Networking [↗](#)
- Google Cloud Computing Foundations: Infrastructure in Google Cloud [↗](#)
- Google Cloud Computing Foundations: Data, ML, and AI in Google Cloud [↗](#)
- Google Cloud Computing Foundations: Cloud Computing Fundamentals [↗](#)
- 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 [↗](#)

08/2023 – 10/2023

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.