

Vijay Kumar

Doddathogur, Electronic City Phase-1, Bangalore

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PROFESSIONAL SUMMARY

Data Analyst and ML/AI Engineer with hands-on experience in SQL, Python, Excel, and full-stack development. Developed 15+ projects including data analysis dashboards, customer segmentation models, ML pipelines, and production web applications with measurable outcomes.

EXPERIENCE

Independent Projects – Data Analysis, ML/AI, Full-Stack

Full-time

Jun 2024 – Present

- Completed 15+ end-to-end projects in data analysis, ML/AI, and full-stack development using Python, SQL, Pandas, React, FastAPI, and Docker. [GitHub](#) | [Portfolio](#)

EDUCATION

CDAC Bengaluru | [Certificate](#)

Bengaluru, Karnataka

PG Diploma in Big Data Analytics

Feb 2025 – Aug 2025

Bangalore Institute of Technology

Bengaluru, Karnataka

BE in Electronics and Telecommunication Engineering – CGPA: 7.1

Dec 2020 – July 2024

TECHNICAL SKILLS

- Languages:** Python, JavaScript, TypeScript, SQL, HTML, CSS
- Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, EDA, Data Cleaning, Statistical Analysis
- ML/AI:** Scikit-learn, TensorFlow, LangGraph, RAG, LLM APIs, Hadoop, Spark
- Tools:** Power BI, Excel, Power Query, Tableau, Git, MySQL, PostgreSQL, MongoDB, Docker
- Frameworks:** FastAPI, Flask, React, Node.js, Streamlit

PROJECTS

Craftgent – Multi-Agent AI Chat Platform | [Website](#)

Mar 2026 – Present

Tech: Python, FastAPI, LangGraph, React, TypeScript, WebSocket, ChromaDB, Redis, PostgreSQL, Docker

- Achieved **90%+ routing accuracy** by building intent-based routing across **4 AI agents** using **LangGraph** and **Claude API**, with real-time **WebSocket** streaming and **ChromaDB RAG** pipeline retaining context across **1K+ messages**.
- Reduced deployment errors across **3 phases** by setting up **Docker, Nginx, Terraform**, and **GitHub Actions CI/CD** with automated **pytest** coverage.

India E-Commerce Analytics Dashboard | [GitHub](#) | [Website](#)

May 2026 – Jul 2026

Tech: Python, Streamlit, Pandas, Plotly, Shapely, GeoJSON

- Designed an interactive **Streamlit** dashboard analyzing **1,500+ orders** across **19 Indian states**, cutting map data size **97%** (23MB to 0.77MB) using **Plotly choropleth** mapping with **Shapely-simplified GeoJSON**.
- Uncovered **33% of order line items as loss-making** despite positive category revenue by building a **margin-analysis pipeline** with state/sub-category granularity in **Pandas**.

Wiki Research – Research Anything | [GitHub](#) | [Website](#)

Feb 2026 – Mar 2026

Tech: HTML5, CSS3, Wikipedia REST API, MediaWiki API, localStorage

- Created a real-time **Wikipedia Research Assistant** with **3-layer JS** architecture and **dual-API fallback**, achieving **~0% search failure** across **40+ edge cases**.
- Delivered a **zero-dependency, backend-free** research tool with **localStorage** persistence, **auto-retry logic**, and **sub-second response times**.

Notion AI Notepad | [GitHub](#) | [Website](#)

Jan 2026 – Feb 2026

Tech: React, TypeScript, Vite, Tailwind CSS, Node.js, Express, OpenAI/Anthropic LLM APIs, GitHub (CI/CD)

- Engineered a full-stack **AI notepad** (**React, Node.js, Drizzle ORM**) with **multi-provider LLM** integration for auto content generation, summarization, and Q&A reducing manual note-writing effort by **~60%**.
- Implemented **local-first architecture** with **client-side encryption** ensuring **zero-knowledge privacy** for **100%** of stored notes, with **offline-first** capability and **sub-second load times** via **Vite** bundling.

CERTIFICATIONS AND ACHIEVEMENTS

- Team Leader, Runner-Up:** INSEPTRA IDEATHON – Led a team in a nationwide hackathon and advanced to quarterfinals | [Certificate](#)

- Data Analysis with Python:** FreeCodeCamp

- Data Science Job Simulation:** [Issued by BCGX](#)

- Become a Product Manager:** [Learn the Skills & Get the Job](#)