

# Vijay Kumar

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## Education

**ABES Institute Of Technology**

*Bachelor of Technology, Computer Science Engineering*

2020 – 2024

Ghaziabad, Uttar Pradesh

## Experience

**Software Engineer**

*Jellyspace*

*Berlin, Germany*

*September 2024 – Present*

- Contributed to an existing platform using **Angular** for frontend improvements and **PostgreSQL** for back-end data handling.
- Integrated **LLMs** such as **OpenAI GPT**, **Azure OpenAI**, **Gemini**, and **LLaMA** through secure API keys for AI-driven features.
- Helped build low-code/no-code workflows that allow users to automate tasks using simple inputs and AI.
- Developed AI-powered widgets that generate summaries, charts, and responses based on user input.
- Built dashboards and visual reports to highlight **Risks, Opportunities, and Threats (ROT)** in supply chain operations using chat-based prompts.
- Connected third-party services like **Chart-img**, **Twelve Data**, **Alpha Vantage**, and **SMTP** to support data visualization and communication.

## Projects

**Password Management System** — *Python, CLI, Encryption, Hashing*

- Developed a CLI-based password manager to securely store, retrieve, and update credentials.
- Implemented data encryption and **hashing techniques** to prevent unauthorized access and ensure secure handling.
- Followed security best practices for password storage and input validation.

**Railway Reservation System** — *Python, Flask, REST API, HTML/CSS, SQLite*

- Created a full-stack railway reservation platform with user registration, train search, booking, and complaint modules.
- Designed RESTful APIs to handle ticket booking, cancellations, and user data operations.
- Used **Flask** for backend development and **SQLite** for persistent data storage; styled UI with **HTML/CSS**.

**Fake Product Review Detection & Sentiment Analysis**

*Python, Django, TextBlob, NLTK, SQLite, Matplotlib, HTML/CSS, jQuery*

- Built a Django-based app to analyze and classify product reviews using rule-based **NLP** with **TextBlob**.
- Categorized reviews into 7 sentiment levels with color-coded indicators.
- Flagged potentially fake reviews based on repeated sentiment and keyword patterns.
- Developed modules for **user login**, review management, and **product/order tracking**.
- Visualized sentiment trends using **Matplotlib** dashboards.

## Technical Skills

**Languages:** Python, Java, C, C++, JavaScript, TypeScript, SQL, Rust

**Web Development:** HTML5, CSS3, Angular, ReactJS, jQuery

**Frameworks & Platforms:** Django, Node.js, REST APIs, Hedera Blockchain

**Databases:** PostgreSQL, MySQL

**Cloud Platforms:** Google Cloud Platform (GCP) , AWS

**Developer Tools:** VS Code, GitHub, Postman