


# Gopal Jee

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 [github.com/gopaljee96](https://github.com/gopaljee96)

## Education

VIT Bhopal University

B.Tech. in Computer Science and Engineering

2022 – 2026

CGPA – 9.10/10

## Technical Skills

C, C++, Python, Java, JavaScript, TypeScript, SQL, HTML/CSS, React.js, Node.js, Tailwind CSS, Git, PostgreSQL, MongoDB, Firebase, REST APIs, Postman, AWS, CI/CD, Docker

## Technical Projects

**Financial Forecast Engine** | Python, scikit-learn, TensorFlow, LSTM, ElasticNet

Apr 2025

- Developed an AI forecasting system for 10+ stocks, achieving 58% directional accuracy and 15.8% annualized return over 5 years of historical data.
- Engineered time-shifted feature pipelines to eliminate data leakage, boosting model robustness by 25%.
- Designed OzML, a modular Python framework for backtesting, confidence-based position sizing, and result visualization.
- Validated resilience under stress (e.g., 2008 crash) using p-value and white-noise tests, capping drawdowns at < 5%.
- Presented performance insights through interactive dashboards, guiding strategic investment decisions

**UniStay** | Python, NumPy, Pandas, Scikit-learn, MiniSom, Folium, Google Maps API, Foursquare API

Dec 2024

- Built a location-based recommendation engine analyzing 5,000+ listings, matching students to PG/hostels by price, cook facility, and proximity.
- Cleaned and visualized geolocation and preference datasets with Pandas and Seaborn, reducing clustering noise by 25%.
- Applied KMeans and MiniSom to segment accommodations by lifestyle profiles, improving match relevance by 30%.
- Integrated Google Maps and Foursquare APIs to enrich data with nearby POIs, increasing user confidence in recommendations.
- Delivered an interactive Folium map with centroid overlays and legend filters, cutting decision time by 40%.

**Foodwaves** | React.js, JavaScript, HTML/CSS, Bootstrap, Edamam API, REST APIs, Selenium

May 2024

- Developed a full-stack web app for recipe discovery and sharing, filtering 500+ recipes by ingredients, cuisine, diet, and calories.
- Integrated Edamam API and implemented image-based search via OpenCV, increasing feature usage by 15%.
- Optimized search queries to reduce latency by 60%, improving user satisfaction and repeat visits.
- Crafted a responsive UI with theme support using React.js and Bootstrap, boosting mobile engagement by 30%.
- Ensured 99.9% uptime under 1,000 concurrent users through automated end-to-end testing with Selenium and LoadRunner.

## Key Achievements

- Top 4% among 1,000,000+ JEE Main candidates
- Achieved a maximum Leetcode rating of 1660 and solved 150+ problems on coding platforms.
- Successfully cleared HackerRank skill certification tests in Python (Basic), SQL (Basic) and CSS.

## Courses & Certifications

- AWS Solution Architect – Associate, ETHNUS (Apr 2025)
- MERN Full Stack Developer, ETHNUS (Apr 2025)
- AWS Academy Cloud Foundations, AWS Academy (Mar 2025)
- Oracle Cloud Infrastructure Foundations Associate, OCI (Mar 2023)