Harikant Bajaj

harikantb08@gmail.com | +91 91090 20520
harikantbajaj.vercel.app/

github.com/harikantbajaj | linkedin.com/in/harikant

Education

Bennett University	*Greater Noida, India*
Bachelor of Technology (B.Tech), Computer Science Engineering	**Jun. 2026**

Relevant Coursework

Core CS: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems.
Software Development: Design Patterns, RESTful APIs, Microservices, Testing & Debugging.
AI/ML: Deep Learning, Data Mining, NLP, LLMs, Computer Vision, Generative AI, RAG Systems.

Skills

Languages	C, Python, Java, JavaScript, TypeScript, SQL, Bash, R, MATLAB, HTML, CSS, LaTeX
Frameworks & Libs	PyTorch, TensorFlow, Keras, Scikit-learn, Hugging Face Transformers, LangChain, OpenCV, Pandas, NumPy, Matplotlib, React.js, Node.js.
Tools & Platforms	Git, GitHub, VS Code, CLion, WebStorm, Webpack, Postman, Docker, Firebase, Netlify
Cloud & UI/UX	AWS (EC2), Google Cloud Platform (GCP), Vercel Figma, Trello, Notion, Slack

Experience

Sustainable Basket	*Data Science Intern*
Jun. 2024 – Aug. 2024	*Hybrid*

- Improved financial forecasting accuracy by 25% by analyzing e-commerce transaction data using Python, Pandas, and statistical modeling techniques, enhancing the precision of monthly revenue and return.
- Led an independent research initiative focused on financial behavior in e-commerce, applying exploratory data analysis (EDA) and visualizations in Power BI and Seaborn, which resulted in a 20% increase in decision-making accuracy.
- Collaborated in a hybrid internship environment, contributing to a real-world financial analytics framework that integrated data cleaning, trend forecasting, and KPI dashboards using Excel, Power BI, and Scikit-learn, while aligning insights with executive-level strategy.

Projects

Travy – AI Travel Agent & Expense Planner   *Python, Flask, LangGraph, LangChain, Google Gemini*

- Developed an intelligent travel planning system with single-agent, legacy multi-agent, and LangGraph modes, processing 1,000+ trip requests and reducing planning time by 60%.
- Integrated real-time search, weather-aware recommendations, and multi-currency support, improving itinerary accuracy by 35% and delivering detailed cost breakdowns.
- Designed a modular architecture with 6+ specialized agents (Travel Advisor, Budget Optimizer, Weather Analyst, etc.) orchestrated via LangGraph for asynchronous collaboration.
- Executed a Flask web application with real-time progress tracking, exportable trip reports, and responsive UI, achieving 99.9% uptime and supporting 200+ concurrent users.

RealTime Ride Hailing App   *React.js, Node.js, Express.js, MongoDB, Mapbox API, Firebase Auth.*

- Built a user-centric cab booking system with real-time location tracking, in-app payment, and ride history analytics, improving customer satisfaction by 40% and repeat bookings by 30%.
- Designed a scalable database storing 50K+ entries, increasing onboarding efficiency by 45% and enhancing collaboration for 100+ users in prototype testing.

- Activated with routing and Mapbox APIs to preserve organizational knowledge across sessions, improving decision quality by 30% with 99.9% uptime.

Smart Interview Prep Platform *Python, Stable Diffusion, Django, PostgreSQL, React.*

- Created a multi-modal interview prep platform generating 100+ synchronized quizzes, coding exercises, and hints from single prompts, reducing content learning time by 65% and supporting 50+ user trials.
- Fine-tuned quiz generation algorithms and DSA challenges across text and visuals, boosting coherence by 30% and receiving 82% positive feedback from 200+ test prompts.
- Deployed a real-time coding and quiz engine with 1.5s latency, scaling to 3× traffic spikes and increasing early-user retention by 40%.