

R VINAY KUMAR

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Summary

Aspiring Data Scientist / ML Engineer. MSc Big Data Analytics student skilled in data analysis, machine learning, LLM and AI Workflow with Python and SQL.

Skills

Languages & Databases: Python, R, SQL, JavaScript, TypeScript, PostgreSQL, MySQL, MongoDB, Supabase, Redis

ML, GenAI & Agentic AI: Machine Learning, Deep Learning, NLP, LLMs, Scikit-learn, PyTorch, Keras, Random Forest, Gradient Boosting, Lasso / Elastic Net, SHAP, Clustering, Feature Engineering, Sentence Transformers, RAG, Vector Search, AI Agents, MCP, Prompt Engineering, Claude & Gemini APIs

Big Data, Cloud & DevOps: Apache Spark (Structured Streaming), PySpark, Kafka, Databricks, Hadoop, AWS (EC2, S3), Azure, Docker, Kubernetes, Helm, Terraform, GitHub Actions, Vercel, Git

Statistics & Econometrics: Pandas, NumPy, SciPy, Statsmodels, linearmodels, Panel Regression (FE / RE), Hypothesis Testing, Time Series, Econometrics

BI & Visualization: Data Visualization, Power BI, Tableau, Excel, SPSS, Matplotlib, Seaborn

Web & APIs: FastAPI, Node.js, Express, React, Next.js, Tailwind CSS, REST APIs

Education

MSc in Big Data Analytics

St. Joseph's University, Bengaluru
CGPA 8.08 | Aug 2025 - Jun 2027

BSc in Statistics & Economics

St. Aloysius University, Mangaluru
CGPA 8.48 | Aug 2022 - Jun 2025

Achievements

- Smart India Hackathon 2026 — won internal round; finale results awaited
- Odoo x NMIT Hackathon 2026 — finalist
Top 6 out of 2840+ teams.
- National Level Table tennis Player – Represented Mangalore University In South Zone Nationals.

Work Experience

ComedKares, Bengaluru

May 2026 - Jun 2026

Data & Inventory Analytics Intern (AI/ML)

- Took an RFID inventory intelligence platform from concept to deployed prototype, tracking every item across 5 lifecycle states (on rack, misplaced, billing, sold, stolen).
- Live Next.js + Supabase dashboard with real-time theft and misplacement alerts and an LLM inventory assistant.
- Won 2nd place for Innovation, Impact and Presentation at Project Showcase Day 2026.

Oikos Consultancy, Mangaluru

May 2024 - Jun 2024

Research Assistant Intern

- Ran descriptive and inferential statistical analysis for social and medical science research projects.
- Managed datasets in Excel, SPSS and Jamovi; cleaned and validated data prior to analysis.

Projects

SJU Chatbot — University AI Assistant

github.com/fbivinay/sju-chatbot

Python, FastAPI, Supabase, Gemini, Playwright, Vercel

- RAG chatbot answering student questions on programmes, admissions, fees and campus life.
- Scraped ~290 university pages into ~940 chunks in Supabase; full-text search feeds Gemini grounded context.
- Live on the SJU website via a one-tag embed, generating revenue.

Dayflow HRMS — HR System (Odoo x NMIT 2026)

github.com/fbivinay/Odoo-Hackathon

React, TypeScript, Node.js, Express, Prisma, PostgreSQL

- Full-stack HR platform for attendance, leave approvals, payroll with PDF payslips and documents.
- Role-based employer and employee access with JWT auth, input validation, rate limiting and audit logs.
- Admin analytics dashboard; reached the hackathon final round.

Kasauti — MPLADS Risk Verification (SIH 2026)

github.com/fbivinay/SIH-HACKATHON

Python, FastAPI, PostgreSQL, Scikit-learn, Sentence-BERT

- Risk-scores 250,839 MP development works using peer cost comparison, Isolation Forest and compliance rules.
- Sentence-BERT flags duplicate works; Gemini classifies 41,691 works into 22 sectors.
- Nightly sync reconciles with MoSPI data; won SIH internal round.

Certifications

- Data Analytics Professional Certificate — Google
- Introduction to Python — Great Learning
- Introduction to MongoDB — MongoDB
- Microsoft AI Classroom Series — Microsoft