

Mithun V R

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Objective

Third-year B.Tech student in Computer Science with experience in data science, machine learning, and visualization. Seeking an internship to apply Python, Scikit-learn, and analytical skills to deliver data-driven solutions.

Education

B.Tech in Computer Science and Engineering

2023 – Present

Amrita Vishwa Vidyapeetham, Coimbatore (3rd Year)

CGPA: 8.14/10

Skills

- **Machine Learning:** Supervised & unsupervised learning, feature engineering, model evaluation, time-series forecasting
- **Programming:** Python, SQL, C, C++
- **Libraries & Tools:** NumPy, Pandas, Scikit-learn, LightGBM, Matplotlib, Seaborn, Plotly
- **Visualization & Dashboards:** Streamlit, Dash, Tableau, Altair
- **Databases & Backend:** MySQL, Django, REST APIs
- **Workflow:** Git, GitHub, Jupyter Notebook

Projects

Cogentix HR Analytics Case Competition (IMT Hyderabad) — *1st Place*

Dec 2025

- First place in a national HR analytics case competition (team of 2).
- Built end-to-end HR analytics: engagement risk analysis, leakage-free promotion readiness modeling, performance drivers, compensation fairness, and manager impact.
- Techniques: chi-square, Kruskal-Wallis, Wilson CI, OOF target encoding, LightGBM, logistic regression; developed a Streamlit dashboard for actionable insights.

Analytica Data Science Contest (Urban Grocers)

Sep 2025

- 1st Place (Data Analysis Round) and 3rd Place (Final Round). Performed EDA and ARIMA-based forecasting on retail sales integrating promotions and climate data; improved inventory demand signals.

Sony IMX-500 Smart Camera Hackathon

Feb – Mar 2025

- Built an inventory system with Django backend and Sony IMX-500 on Raspberry Pi; implemented real-time QR tracking with MQTT and RBAC-based supply chain logic. 📺 Demo

Altair Data Science Contest (Educational Data Analysis)

Sep 2025

- 4th place; logistic regression (96.38% accuracy) to identify factors affecting student outcomes with interactive visualizations. 📺 Demo

Case Study: India's Green Revolution

Aug – Oct 2025

- Conducted multi-question analysis on agricultural and demographic datasets; used time-series visualization to demonstrate productivity and lifespan trends.

Research

Food Supply Chain Data Integrity Verification

2025

- Implemented and benchmarked HMACs, Merkle Trees, and ZKPs for tamper-evident IoT data verification; compared performance and verification costs across methods.

Certifications

- **IBM Data Science Professional Certificate**
- Math for ML: Linear Algebra (Imperial College London)
- Math for ML: Multivariate Calculus (Imperial College London)