

Rishin Aiyappa A G

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PROFESSIONAL SUMMARY

MCA postgraduate with specialization in AI & ML, skilled across software development and data analytics — building end-to-end applications, integrating ML models via REST APIs, and analyzing data to drive decisions. Proficient in Python, SQL, and modern frameworks, with strong fundamentals in OOP, data structures, and statistical analysis, and proven ability to collaborate with cross-functional and international stakeholders.

TECHNICAL SKILLS

- **Programming:** Python, Java, JavaScript, TypeScript, SQL
- **AI/ML & Data:** Machine Learning, Deep Learning, NLP, EDA, Statistical Analysis, Model Evaluation
- **Libraries:** TensorFlow, Keras, PyTorch, Scikit-learn, XGBoost, Pandas, NumPy
- **Backend:** FastAPI, Flask, Node.js, REST APIs
- **Web Development:** React.js, Vite, HTML/CSS
- **Databases & Cloud:** MySQL, PostgreSQL, MongoDB, Supabase, Azure Databricks
- **Visualization & Tools:** Power BI, Matplotlib, Git, GitHub, Postman, Docker

INTERNSHIP EXPERIENCE

- **Skypoint** Mar 2026 – Jul 2026
Data & Insights Intern Bengaluru
Built SQL and Python data pipelines on Azure Databricks to process, validate, and report on large structured datasets.
- **Concentrix** Jul 2025 – Sep 2025
Research Analyst Intern Bengaluru
Analyzed business datasets and built reports using Excel, collaborating with US-based stakeholders to deliver on schedule.
- **Zidio Development** Feb 2025 – May 2025
Data Science & Analytics Intern Remote
Performed data cleaning, EDA, and built visualizations to detect trends and anomalies for ML feature sets.
- **Ateu Softwares** Feb 2024 – Mar 2024
AI Model Developer Intern Mysuru
Built and evaluated NLP models for text classification, owning the pipeline from preprocessing through training.

TECHNICAL PROJECTS

- **Agri AI – AI-Driven Precision Agriculture System** 2026
Python, Flask, ML/DL, XGBoost, MongoDB
Built a Flask platform integrating ensemble crop recommendation, CNN-based image classification, and an XGBoost yield prediction model (test R^2 : 0.968).
- **Eco Drop – AI-Powered E-Waste Collection Scheduler** 2026
Python, FastAPI, React, TypeScript, Supabase
Developed a full-stack app with FastAPI backend and React frontend, using K-Means clustering and route optimization for demand prediction and CO₂ savings.
- **Vendor Performance Analysis** 2025
SQL, Python, Power BI
Performed EDA and built Power BI dashboards analyzing vendor sales (\$441.41M), gross profit (\$134.07M), and profit margin (38.7%).
- **AI Resume Analyzer** 2024
Python, NLP, React, Node.js, REST APIs
Built an NLP-based application with a Node.js/REST API backend to parse resumes, extract skills, and match candidates to job requirements.

EDUCATION

- **Jain (Deemed-to-be University)** 2024 – 2026
Master of Computer Applications (AI & ML) — CGPA: 8.51 Bengaluru
- **St Joseph's First Grade College** 2021 – 2024
Bachelor of Computer Applications — CGPA: 8.71 Mysuru
- **Coorg Institute of Pre-University College** 2020 – 2021
Class XII (64.83%) Kodagu
- **St Anthony's High School** 2018
Class X (83.52%) Kodagu

ACHIEVEMENT

- **Best Outgoing Student – St Joseph's First Grade College, Mysuru.** 2024