

Rishita Makkar

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SUMMARY

Data & AI professional with hands-on experience in analytics, machine learning, business intelligence, and end-to-end application development. Skilled in Python, SQL, Power BI, Tableau, Flask/FastAPI, React, and cloud platforms (AWS, GCP, Azure). Proven track record in building interactive dashboards, deploying predictive models, automating data pipelines, and creating full-stack data apps that deliver measurable business results. Adept at KPI tracking, data storytelling, and turning insights into strategies that improve decision-making speed and accuracy.

EDUCATION

RGPV University

Bachelor of Technology in Computer Science (AIML)

Bhopal, MP

Nov. 2022 – May 2026

EXPERIENCE

AI Intern

April 2025 – June 2025

Essential Goods LLC

- Developed a scalable data infrastructure (FastAPI, PostgreSQL) improving LMS reporting and enabling root-cause analysis of top three project delay causes.
- Built a full-stack analytics dashboard (Flask, React, Docker) to automate GitHub repository tracking, cutting analysis time by 35% and improving project monitoring efficiency.
- Designed interactive dashboards (Power BI, Plotly) with KPI tracking, boosting collaboration insight accuracy by 40% and supporting data-driven academic planning.

Financial Data Analyst

Dec. 2024 – Mar. 2025

EarnWell

- Analyzed over 10,000 forex market data points to forecast trends, increasing strategy accuracy by 25% using statistical modeling and predictive analytics.
- Automated ETL pipelines in Python and Pandas, reducing reporting time by 60% and ensuring data accuracy for decision-making.
- Produced financial reports and visualization dashboards (Power BI, SQL) that informed investment strategies and optimized portfolio performance.

Technical Content Writer & Proofreader

May 2024 – Dec. 2024

Helpworx Technology Pvt. Ltd.

- Authored 30+ technical deliverables in Python, SQL, and C++ with precise coding solutions meeting client and academic requirements.
- Edited and optimized technical documentation, improving clarity and accuracy by 95% and reducing revision cycles.
- Collaborated with SMEs to deliver technical content across 10+ industry domains, ensuring compliance and high-quality standards.

PROJECTS

InsightX – AI Business Dashboard | *Python, Power BI, Streamlit, FastAPI, Docker*

- Built and deployed a full-stack BI app for dataset uploads (CSV, Excel, API) with AI-powered insights and visuals, cutting analysis time by 30%.
- Integrated predictive analytics (churn, segmentation) and natural language querying, improving non-technical user data accessibility by 40%.

Sales Data Analysis Dashboard | *Python, Power BI, SQL*

- Designed interactive dashboards tracking sales KPIs, enabling 25% faster reporting and data-driven sales planning..

- * Processed and visualized large datasets to uncover revenue trends and optimize resource allocation.

Video Recommendation Engine | *FastAPI, Deep Learning, MongoDB*

- * Developed and deployed a real-time personalized video recommendation system, increasing content relevance and user satisfaction by 40%.
- * Resolved new-user personalization challenges and created dashboards to monitor performance.

Time Series Forecasting Model | *LSTM, Python, Matplotlib*

- * Trained LSTM models for demand forecasting, achieving 90%+ accuracy to improve inventory and resource planning..
- * Applied advanced feature engineering to enhance model interpretability for business use.

Medical Report Summarizer | *NLP, BERT, Python*

- * Created dual-layer summaries (technical & simplified) for clinical reports, improving patient and clinician accessibility.
- * Added multilingual and voice output support for visually-impaired users and non-English speakers.

CORE TECHNICAL SKILLS

Programming & Scripting

Python, SQL (PostgreSQL/MySQL), scikit-learn, TensorFlow, PyTorch, C/C++, R, JavaScript, HTML/CSS, NLP/NLG, BERT, LSTM, Deep Git/GitHub, Jupyter, VS Code, Docker, Postman

Machine Learning & AI

Learning, Predictive Modeling, Recommender Systems, Model Deployment, Hyperparameter Tuning

Software Development

Flask, FastAPI, REST APIs, React, Node.js, MongoDB, AWS, GCP, Azure (Fundamentals Certified)

Data Analysis & BI

Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI, Tableau, Excel, EDA, KPI Tracking, Dashboard Design, Data Storytelling

Data Engineering

ETL, Pipeline Automation, API Integration, Data Warehousing, BigQuery, Batch & Real-Time Processing

Business Skills

Requirement Analysis, KPI Interpretation, Stakeholder Communication, Process Optimization, Agile/Scrum, Cross-Functional Collaboration

CERTIFICATIONS

IBM Data Science Professional Certificate

May 2024

Focus: Data Analysis, Supervised/Unsupervised Machine Learning, Predictive Analytics, Data Visualization

Cisco Certified: Python Essentials

Mar. 2025

Focus: Python Programming, Automation Scripting

Cisco Certified: CCNA

May 2025

Focus: Networking Fundamentals, Routing & Switching

Microsoft Certified: Azure Fundamentals

Feb. 2023

Focus: Cloud Services, Data Storage, Model Deployment

Cisco Certified: Cybersecurity Essentials

Mar. 2024

Focus: Network Security, Threat Detection

KEY ACHIEVEMENTS

Hackathon Winner – Won a college-wide hackathon (15+ teams) by designing and deploying an AI-powered prototype in under 24 hours, integrating NLP and real-time analytics.

Data Pipeline Efficiency Boost – Automated and optimized ETL workflows, increasing processing speed by 50% and reducing manual data handling, enabling near real-time reporting for business stakeholders.

User Engagement Growth – Boosted platform engagement by 30% through the creation of technical tutorials and interactive dashboards adopted by 500+ users.

High-Accuracy Predictive Models – Designed, trained, and deployed ML models with 85%+ accuracy, improving demand forecasting and resource allocation.

Gold Medalist in Basketball (Leadership) – Led college team to championship victory, demonstrating strong teamwork, strategy, and leadership skills.