

Rishi Dev P V

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Education

University of Maryland - College Park, MD, USA	2026 - 2028
<i>Masters in Artificial Intelligence</i>	
Shiv Nadar University Chennai, IN	2021 - 2025
<i>Bachelor of Technology in Artificial Intelligence & Data Science</i>	<i>CGPA 8.08/10.0</i>

Technical Skills

- **Core-CSE:** Python, C++, Data Structures & Algorithms, OOP, Software Engineering, Operating Systems, Computer Networks, Database Management (MySQL, MongoDB), Distributed & Cloud Computing (AWS, GCP), Web Technologies.
- **Core-AI & DS:** Machine Learning, Deep Learning, NLP, Computer Vision, LLMs, Agentic AI, Reinforcement Learning, Data Mining, Big Data, EDA, Data Visualization, Pandas, NumPy, TensorFlow, PyTorch, Keras

Experience

Applied Data Finance	Dec 2024 – Aug 2026
<i>Junior Data Scientist</i>	<i>Chennai, IN</i>
• Developed and maintained end-to-end credit risk machine learning models for the U.S. consumer lending market, with a focus on subprime borrowers (FICO 500–650). • Consolidated multiple legacy models into a single, maintainable pipeline and implemented reject inference techniques, improving out-of-sample model performance by 18%. • Engineered 200+ predictive features and supported the full production ML lifecycle, including model scoring, validation, QA, and deployment.	
Agiliz Tech	May 2024 – Jul 2024
<i>Gen AI Intern</i>	<i>Bangalore, IN</i>
• Built an AI-powered document processing system for financial data extraction and ARIMA-based forecasting. • Developed a GPT-powered chatbot for natural language querying and real-time cost forecasting insights. • Engineered an end-to-end full-stack application with seamless frontend-backend integration and optimized performance.	

Projects

AttorneyGPT: RAG-based Multilingual Legal Assistant <i>LangChain, FAISS, Fine-tuned Mistral 7B</i>	Apr 2025
• Built a multilingual RAG-based legal assistant for the Indian Penal Code (IPC) under Dr. Sundharakumar K B to support legal research and case-specific query resolution. • Fine-tuned Mistral 7B and integrated it into an end-to-end RAG pipeline using LangChain and FAISS, with conversational memory and context awareness for accurate, context-aware legal question answering. • Developed an end-to-end multilingual interface supporting text and voice input in English, Hindi, and Tamil, with responses generated in both text and synthesized speech across all three languages.	
AgenticAI Pipeline - MCP Server Ecosystem for Sales Automation <i>AgenticAI, MCP Servers, Pub-Sub</i>	May 2025
• Designed and deployed a 4-phase agentic AI workflow with MCP server integration for lead prioritization, qualification, proposal generation, and follow-up automation. • Integrated multi-MCP servers (CRM, Document, Communication, Enrichment) enabling seamless context-passing, real-time notifications, and personalized proposals. • Improved lead conversion efficiency by streamlining BANT scoring, proposal delivery, and automated drip campaigns across the sales cycle.	
Bank Marketing Insights <i>K-Means, PCA, Agglomerative Clustering</i>	Apr 2024
• Analyzed Portuguese bank marketing data to identify customer segments and subscription patterns. • Engineered customer features through preprocessing, encoding, scaling, and feature transformation. • Applied K-Means, Agglomerative Clustering, and PCA for customer segmentation.	

Certifications

Python for Data Science & ML (Udemy) | **SQL (Advanced)** (HackerRank) | **Soft Computing** (NPTEL) | **Full-Stack Web Development** (Udemy) | **Strategic Management** (NPTEL) | **Social Networks** (NPTEL)