

Contact

aeroapj@gmail.com

www.linkedin.com/in/avinashrs
(LinkedIn)

Top Skills

Multi-agent Systems

Retrieval-Augmented Generation
(RAG)

Google Cloud Platform (GCP)

Languages

Tamil (Native or Bilingual)

English (Full Professional)

German (Elementary)

Certifications

Neo4j Certified Professional

Generative AI with Large Language Models

Large Language Models: Application through Production

J.P. Morgan - Software Engineering Job Simulation

Natural Language Processing

Avinash Rajaraman Swaminathan

Senior Data Scientist @Infosys | Gen AI Engineer | Agentic AI | Multi Cloud Inference at Scale (AWS/GCP/Azure) | Harness AI for Real-World Impact

New York, New York, United States

Summary

Transforming messy multimodal data into production-ready AI systems. Currently at Infosys launching Agentic Gen AI pipelines across AWS, GCP, and Azure platforms turning raw data points into real-time inference. Explore my projects here: <https://github.com/rsasmack>. Data isn't just about patterns; rather it's insights that drives decisions. Inspired by the quote: "A point of view can be a dangerous luxury when substituted for insight and understanding".

Tech Stack:

Programming: Python, C++,

R, GO, CSS, HTML, JavaScript (Node.js, React.js), SQL, NoSQL (MongoDB), and Graph Database (Neo4j)

Data/DevOps: Tableau, Qlik, Looker, Power BI, Hadoop, Hive, Bitbucket, Confluence, Jira. Terraform, KPI Design, Product Analytics

Data Governance: Compliance, Security, Quality Machine Learning & Deep Learning: Pytorch, TensorFlow, Keras, CNN/RNN, Semantic

Search, NLG, Computer Vision Agentic AI & Gen AI: LLMs (ChatGPT, LLaMA), LangChain, Langgraph, RAG, Vector DBs,

Prompt Engineering, MCP, Google ADK, A2A, CrewAI, Autogen

Cloud Computing: AWS, GCP, Azure, Snowflake Current focus

- Multimodal Agents, GPU-native inference, and LLM Memory Optimization moving from demo to production in weeks. Open to collaborations. Feel free to reach me at aeroapj@gmail.com

Experience

Infosys

Senior Data Scientist

October 2024 - Present (1 year 2 months)

United States

Yeshiva University

Graduate Assistant - IT
January 2023 - May 2024 (1 year 5 months)
New York, New York, United States

S&P Global
Machine Learning Intern
May 2023 - August 2023 (4 months)
New York, New York, United States

Tesco
Senior Applied Data Scientist
July 2022 - December 2022 (6 months)
Bengaluru, Karnataka, India

ZS
Business Analyst
May 2021 - July 2022 (1 year 3 months)
Pune, Maharashtra, India

MaxVal Group, Inc.
Patent Analyst
January 2018 - June 2020 (2 years 6 months)
Bengaluru, Karnataka, India

Education

Yeshiva University
Master of Science - MS, Artificial Intelligence · (2023 - 2024)

International Institute of Information Technology Bangalore
Advanced Certificate, Data Science · (2022 - 2022)

Great Lakes Institute of Management
Post Graduate Program, Data Science and Engineering · (2020 - 2021)

Anna University
Bachelor of Technology - BTech, Information Technology · (2014 - 2018)