

RK

ROHIT KADAM

Science Researcher

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Pune, India

Summary

Experienced Data Scientist with over 4 years in developing scalable AI, ML, and GenAI solutions, specializing in Generative AI and LLM Application Frameworks. Granted patent holder and published author with expertise in integrating AI models into applications, optimizing workflows, and leading technical discussions. I am dedicated to exploring the intersection of AI and life sciences through innovative academic and industry-led projects

Experience

TATA CONSULTANCY SERVICES I.T.

Pune, India

Analyst

01/2024

Leading IT services, consulting, and business solutions organization

- Spearheaded the development of a GenAI-based medical assistant using Azure OpenAI, resulting in a 30% improvement in monitoring process efficiency.
- Directed a team of 4 in architecting modular LLM Applications using RAG, enhancing literature management efficiency by 25%.
- Acted as the primary point of contact for stakeholders during the pilot phase, streamlining solution rollouts.
- Conducted cross-team brainstorming sessions and stakeholder interviews to define business use cases in HealthTech

TATA CONSULTANCY SERVICES

Pune, India

System Engineer

07/2021 - 12/2023

Leading IT services, consulting, and business solutions organization

- Developed the Regulatory Intelligence Chatbot project using RASA and custom NLP, reducing query response time for regulatory professionals.
- Collaborated with SMEs and business leads to design AI-driven healthcare pilots.
- Served as Innovation Lead during the Incubation Bootcamp, resulting in the award-winning product idea.
- Mentored three junior interns in Python, NLP, and AI ML fundamentals and developing POC solutions.
- Initiated a knowledge-sharing forum within the R&I team to accelerate GenAI adoption across verticals

TATA CONSULTANCY SERVICES

Pune, India

Assistant System Engineer

09/2020 - 06/2021

Leading IT services, consulting, and business solutions organization

- Contributed to data analysis and dashboard creation using Python for EHR Analytics.
- Supported early experiments with NLP for medical writing applications.
- Worked as an individual contributor in POC development to streamline EHR data to EDC

Education

Rajarambapu Institute of Technology, Shivaji University

Sangli, India

Bachelor of Technology (Mechanical Engineering)

07/2014 - 05/2018

Yashawantrao Chavan Institute of Science

Satara, India

Higher Secondary (H.S.C)

06/2012 - 05/2014

Maharaja Sayajirao Vidyalaya

Satara, India

Secondary School (S.S.C)

06/2011 - 05/2012

Key Achievements

Granted Patent Holder

Granted patent for an automated validation approach enhancing

Published Author

Published author with extensive research on AI advancements in

PharmaSUG Presenter

Presented at PharmaSUG, showcasing innovative

Skills

Programming Languages: Python

Frameworks: Azure, RASA, LLM Application Frameworks

Tools: REST, AWS, UAT, Blockchain

Specialized Skills: Generative AI, LLM Fine Tuning, Cloud GenAI Solutions

Projects

GenAI Based medical monitoring assistant

Pune, India

01/2024

GenAI Based medical monitoring assistant • Developed an intelligent assistant using Azure OpenAI to support real-time medical monitoring and decision making in

clinical trials

- API driven architecture to support medical monitoring queries and provide actionable insights