Rohit Kumar Singh

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EDUCATION

NIIT UNIVERSITY
B. TECH - COMPUTER SCIENCE AND ENGINEERING
June 2011 - July 2015
Minor in Data Science
Cum. GPA: 7.93 / 10.0

SCALER ACADEMY
MS – ARTIFICIAL INTELLIGENCE
Feb 2022 - Currently
Minor in Social Media Domain

SKILLS

Programming
Python • SQL • Statistics

Cloud Technologies:
• Azure DevOps
• Azure Machine Learning, WebApp, OpenAI, KeyVault, Semantic Search
• RAG Pattern Implementation
• AWS Kendra, CloudFormation, CodeBuild, Cloud9, Lex
• CI/CD

Tools
• VS Code • Git
• FastAPI • Streamlit
• Prompt Engineering
• Statistical Analysis

AWARDS

UNDERGRADUATE
3rd in 1st University Hackathon
Fastest Surfer First
3rd in University Business Quiz
WORK
Manager's Choice Award

INTERESTS

Teaching
Google Local Guide Level 6

EXPERIENCE

IBM INDIA | DATA SCIENTIST - ADVANCED ANALYTICS
October 2015 – till Date | Bangalore, IN
- Identifying, analyzing, and interpreting trends or patterns in data sets.
- Filtering and cleaning data by reviewing client requirements, automating, and debugging to locate and correct code problems.
- Work with Senior Data Scientist to model the business and information needs.
- Extract, transform, and combine all incoming data with the goal of discovering a previously hidden insight, which in turn can provide a competitive advantage or address a pressing business problem.
- Locating and defining new process improvement opportunities.
- Proficient in Python and SQL to provide end to end experience.
- Recently delivered end to end application using Generative AI in Azure and AWS for concepts like prompt engineering and RAGs.

| NUHS – TELEGRAM – GENERATIVE AI BOT
- Lead team of 3 engineers to create a fully managed Telegram Bot to manage the prospective candidate to engage and market.
- I designed and implemented a RESTful API using FastAPI for real-time data processing, facilitating dynamic content delivery and interactive features such as webhooks for instant update notifications.
- I also worked on creating an automated services which replies to incoming messages using LLMs.

| VALE SHIPPING
- Natural Language Processing: Used Generative AI to interpret and convert natural language into SQL/Python queries.
- Seamless Integration: Designed to integrate with our existing Azure database infrastructure and visualization tools.
- User-Friendly Interface: Accessible via a Streamlit-based web application ensuring ease of use for all team members.
- Fully Automated Deployment using WebApp and Azure DevOps. DEMO

| DSTA
- Created full end-to-end solution in AWS and Streamlit to solve the Question Answering system using custom documents.
- Admin can upload the documents; it will be indexed using Amazon Kendra and can be used via Streamlit Application or Amazon Lex Chatbot. Worked on integrating systems like Amazon CloudFormation, Amazon Lambda, Kendra, Cloud9 etc.

| AT & T
- Using the variety of consultant templates and use of incoming Request for Proposal for AT & T area of expertise, automate the process of creating the final application with all the static and dynamic data from templates and RFPs.
  1. .docx parsing module.
  2. Text attributes identification like colour, bold, italic, underlined, highlighted.
  3. Hyperlink identification and disable module.
- All the above input would be the .docx file with output as JSON.