

NAVEEN KUMAR J

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ABOUT ME

A passionate B.Tech student in Artificial Intelligence and Data Science with expertise in Python, SQL, and cloud computing, eager to apply technical skills to innovative solutions.

EDUCATION

Bachelor of Technology in Artificial Intelligence and Data Science - 8.14* Sri Shakthi Institute of Engineering and Technology	Nov 2022 - Present
Higher Secondary Education - 87% Karaikudi Maharishi Vidya Manddir	Jun 2021 - May 2022
Secondary School Education - 95.2% Karaikudi Maharishi Vidya Manddir	Jun 2019 - Mar 2020

PROJECTS

Data Sensei (Knowledge Representation)

Built an AI solution for representing and analyzing structured data, generating insights, creating charts, and supporting decision-making. The model also enables users to interact with CSV data through chat.

Tech Stack: Python, Streamlit, Pandas, Scikit-learn, XGBoost, LangChain, SQLAlchemy, SQLite and Google Gemini LLM

Word Smith (RAG-Based ChatBot)

This chatbot enables users to upload PDF documents and engage in conversations based on the content, offering a highly interactive and content specific experience.

Tech Stack: Python, NLP, RAG, LangChain, Google Palm API, Hugging Face Instructor Embeddings, Streamlit, ChromaDB.

Deployment of a 3-tier Web Application using AWS

Deployed a 3-tier web application on AWS with separate web, application, and database layers, leveraging AWS services to ensure scalability, fault tolerance, and security.

AWS Services: EC2, S3, RDS, IAM, VPC, Subnets, Route Tables, NAT Gateway, Internet Gateway, Security Groups

SKILLS

- **Programming Languages:** Python, SQL
- **Cloud Computing:** Amazon Web Services
- **Soft Skills:** Communication, Teamwork, Problem solving and Time management.

CERTIFICATIONS & WORKSHOPS

- **Certifications:** Web Development Bootcamp - Udemy
- **Workshops:** Cloud Computing fundamentals in AWS - RAMPeX