Ashish Julakanti

B.Tech - Artificial Intelligence & Data Science

WOXSEN UNIVERSITY

Contact

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Specialization

Major-1: Artificial Intelligence
Major-2: Data Science

Languages

- English
- Telugu
- Hindi

Technical Skills

- Gen-AI (LLM's , RAG)
- Vector DB's
- Prompt Engineering
- Python , R
- ML , DL , NLP
- TensorFlow , Keras , Kafka
- PowerBI , Tableau
- AWS , Azure
- Hadoop , MongoDB , SQL
- Streamlit , Flask
- Docker , Postman API

Synopsis

Enthusiastic and detail-oriented data science fresher with a strong foundation in data analysis, statistical modeling, and machine learning. Eager to leverage academic knowledge and hands-on project experience to contribute effectively to data-driven decision-making processes. Proficient in Python, data visualization, and eager to learn and adapt to new technologies. Adept at collaborating with cross-functional teams and passionate about solving complex problems using data-driven insights.

Academics

Woxsen University | Hyderabad
2021 - 2025 | **B.Tech Artificial Intelligence & Data Science**

Excellencia Jr College | Hyderabad, India
2018 - 2021 | **Intermediate (Math ,Physics ,Chemistry)**

Delhi Public School ,Nacharam | Hyderabad, India
2014 - 2019 | **Secondary Education**

Internship

May-2022 - August-2022 (Summer Internship)
PickTime Technologies Pvt.Ltd ,Hyderabad
Data Analyst Intern

- Database administration
- Big Data Analytics
- Data Sourcing and SEO (Search Engine Optimization)
- Power BI Dashboards
- Connecting various small scale industries for their expansion
- Graphic Designing , UI/UX etc.

February-2024 - Present (Full-Time Internship)
QualityKiosk Technologies Pvt.Ltd , Navi Mumbai
Trainee Data Scientist

- Developed and deployed Machine Learning (ML), Natural Language Processing (NLP), and Generative AI (LLM-based) solutions tailored for the Finance and Banking industry.
- Designed and implemented Retrieval-Augmented Generation (RAG) pipelines using vector databases for enhanced search and information retrieval.
- Fine-tuned models for Text-to-Speech (TTS) and Speech-to-Text (STT) applications to improve accessibility and user experience.
- Built and optimized Document Q&A systems to enable efficient handling of financial documents and enhance customer support workflows.

- Implemented cloud-based solutions to ensure scalability and performance for AI-driven applications.
- Demonstrated expertise in end-to-end project management, including requirement analysis, development, and deployment of AI-driven tools for banking clients.
- Engineered intelligent pipelines leveraging Machine Learning (ML) and Reinforcement Learning (RL) techniques to optimize decision-making workflows.
- Pioneered the implementation of RAG for dynamic, context-aware knowledge retrieval across diverse business domains.
- Developed and maintained Knowledge Base systems using LangChain and Vector Databases to enhance enterprise information accessibility.
- Designed and deployed scalable Generative AI and LLM-based solutions utilizing frameworks such as Hugging Face Transformers.
- Applied Prompt Engineering techniques to fine-tune AI models for tailored responses, improving end-user engagement.
- Built and deployed web applications using Streamlit and Flask, integrated with Docker for containerization, and tested APIs with Postman for seamless functionality.
- Collaborated in project architecture design, emphasizing modularity, scalability, and cloud integration for cutting-edge AI solutions.

Hackathon

HardWar Hackathon - UPES (Dehradun) 2022
- International level Hackathon conducted by UPES Dehradun (Offline).
- Placed at 5th Position
- **Problem Statement: Automated Irrigation System & Rainfall prediction System using IOT**

24 Hour Hackathon - VBIT 2023
- National level Hackathon conducted by Vignana Bharathi Institute of Technology
- Placed at 4th Position
- **Problem Statement: Automated Seed Sowing BOT**

ML Codeathon - BITS Pilani 2023
- A 5hr National level Hackathon conducted by BITS Pilani (Online).
- **Skills:** TensorFlow , PyTorch , Keras , Image Classification

Certification

- **2022-07 | Social Media Analytics**
- **2022-11 | Data Analysis & Visualization with Python - IBM**
- **2023-04 | Basic Image Classification with TensorFlow.**
- **2023-10 | Machine Learning - IBM**
- **2023-10 | AWS Cloud Essentials**
- **2023-08 | Recognizing Shapes in Images with OpenCV**
- **2024-04 | Generative AI Build & Deploy - IBM**
- **2024-08 | Prompt Engineering for Developers**
- **2024 | SeviceNow Application Developer**
- **2024 | ServiceNow System Administrator**

Academic Projects

FarmTech - (Automation Irrigation System)

- Automated Irrigation system with rainfall prediction based on IOT
- Developed it using Arduino & sensors like DHT , soil moisture & ph
- **Skills : C , C#**

Healthcare Provider Fraudlent Detection

- By examining both textual and numerical data within the claims, the model will identify potential patterns and anomalies indicative of fraud.
- Developed it using various ML algorithms to find deep insights of the data
- **Skills : Python , ML , DL , NLP**

Fake Face Generation Using GAN's

- Utilized Python and TensorFlow to implement and train GAN models, showcasing skills in image synthesis
- This project highlights a hands-on understanding of GANs, image processing, and the ethical considerations surrounding synthetic data generation.
- **Skills : Python , ML , DL , NLP**

LLM Based Code Summary Generator

- Developed a code summarization project using state-of-the-art techniques, including ML and DL with TensorFlow.
- Leveraged Python,machine learning (ML) techniques to enhance code summarization, demonstrating a deep understanding of cutting-edge technologies.
- **Skills : Python , ML , DL , NLP, TensorFlow , T5**

Co-CurricularActivities

- Executive of Technology Club
- Research Analyst in R&D Club at Woxsen University
- Executive in COE -Metatech.
- Volunteer for MUN'22 at Woxsen University
- Hosted Orientation for Freshman'27

Research

Insider Threat Detection

- **Area Of Specialization:** Cyber Security, Insider Threat Detection, Data Analytics, Machine & Deep Learning.
- Research in developing efficient techniques for various cyber security applications & verifying threat models for cellular networks