

ARBASH HUSSAIN

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SUMMARY

During my BTech, I studied a wide range of technologies, including web development frameworks like ReactJs, NextJs, and Flutter, as well as languages such as Java, C++, Python, Dart, JavaScript, and Kotlin. Additionally, I developed my knowledge of GCP, Azure, and Unity 3D. However, it was in the fields of data science and artificial intelligence that I discovered my true passion, where I could work nonstop and never get bored. This enthusiasm drives my desire to use my expertise in data analysis, machine learning, and data visualization to make a significant impact.

PROJECTS

Desktop AI Assistant

- Developed an AI assistant to automate daily routines, file management, reminders, music playing, and web navigation.
- Integrated voice input functionality and chatbot/speaker features for user interaction.
- Utilized APIs for fetching user-specific news and ensured modular structure for scalability.
- Established connections with services including Notion, Spotify, Google, Gemini.

Recommendation System

- Recommendation system to suggest movies, songs, and books based on user preferences.
- Utilized collaborative filtering and content-based algorithms to deliver personalized and relevant recommendations.
- Implemented using Django for the backend and AWS for scalable and efficient cloud hosting and data storage.

Heart attack detection

- Comprehensive data science project to predict the likelihood of a patient having a heart attack.
- Utilized MLflow to manage the machine learning lifecycle, adhering to industry best practices.
- Prepared for deployment on both AWS and Azure, ensuring scalability and reliability.

Algorithm Visualizer

- Implemented interactive visualizations for pathfinding and sorting algorithms using Pygame.
- Enhanced user understanding of algorithmic concepts through engaging day and night themes, animations, and sound effects.

WORK EXPERIENCE

Big Data iNeuron Internship

June 2024 - August 2024

Clustering Social Network users together

- Worked in a in-house internship at iNeuron.ai, developed a project that clusters users in social network who viewed and commented on a post.

In-house Research based Internship

June 2023 - August 2023

Python vs Mojo

- Worked in a in-house internship program conducted by university on Python vs Mojo Research, focused on comparing Python with the emerging programming language Mojo for AI development.

ADDITIONAL INFORMATION

- **Technical Skills:** Data Science, MLOPS, Frontend, Backend and Automation.
- **Certifications:**
 - [Data Science Masters](#)
 - [The Complete 2023 Web Development Bootcamp](#)
 - [The Complete Flutter Development Bootcamp with Dart](#)
- **Achievements:** 5 Star Python coder at HackerRank