

KUSHGARA SHARMA

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EXPERIENCE

AI and Backend Intern, StoryVord, London

May 2024 - July 2024

- Implemented over 5 specialized AI bots leveraging LLMs to automate the real-time gathering and organization of film production details, significantly improving collaboration and streamlining project development.
- Orchestrated the integration of key functionalities into the backend using Django, setting up logic for endpoints; streamlined system deployment on Azure Cloud, enhancing scalability and performance by 20%.

PROJECTS

RAG Patent Q&A. —Pythons, Keras, Qdrant, Langchain, GroqAI, FastAPI

[Check Out](#)

- Innovated a Qdrant-based vector database, forming sentence embeddings from over 1000 chunks, enabling highly nuanced and contextually rich representations to enhance accuracy and efficiency.
- Developed a web interface with FastAPI, facilitating seamless query input and instant response retrieval, improving user experience, and providing contextually relevant answers, increasing user satisfaction by 40%.
- Uploaded the database image to Docker Hub for seamless deployment and securely hosted it on AWS, ensuring robust scalability, high availability, and enhanced security for our application.

Brain Disease Detection. —Pythons, Keras, Streamlit, MongoDB

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- Established a Streamlit web application with user registration and login functionalities, efficiently detecting over 2 types of brain diseases with over 90% accuracy, significantly improving health monitoring.
- Utilized a Keras model capable of accurately classifying brain diseases into 4 distinct types, thereby enhancing the application's diagnostic capabilities for neurological conditions.

Incorrect Package Dimensions Detection. —Pythons, Numpy, Pandas

[Check Out](#)

- Designed and Devised a data-driven algorithm to detect package inaccuracies based on 5 metrics.
- This optimization resulted in a 15% reduction in shipping costs and a 25% increase in operational efficiency.

SKILLS

Programming Expertise

Python, Java

Technical Proficiency

ML, DL, NLP, Data Analysis & Visualization, Predictive & Statistical Modeling

Frameworks & Libraries

TensorFlow, Keras, Scikit-learn, NumPy, Pandas, Streamlit

Others

Django, SQL, MongoDB, AWS, Docker, GroqAI, Tableau

Miscellaneous

Leadership, Competent, Receptive, Dynamic

EDUCATION

GLA University

Mathura, Uttar Pradesh

B.Tech in Computer Science & Engineering: Specializing in AI and ML CPI: 8.6/10 Sep 2021 - Present

St. Mary's Convent School

Agra, Uttar Pradesh

Intermediate (12th) : Science (PCM) with Computer Science Percentage: 84.4%

May 2019 - April 2021

ACHIEVEMENTS

- SIH 2023:** Proposed a Human detection system in the prestigious national-level SIH 2023. ([Check Out](#))
- SIH @GLA University:** Led a 6-member cross-functional team into victory in a hackathon, developing software capable of performing over 3 distinct tasks, showcasing our expertise and teamwork. ([Check Out](#))
- IAA, IIT:** Top 1% position in the Analysis and Algorithm course at IIT Kharagpur. ([Check Out](#))

EXTRA-CURRICULAR ACTIVITIES

- Volunteered for 1 year teaching village students at **Udaaan Asman Tak** NGO, GLA University.