

# KUSHGARA SHARMA

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## EXPERIENCE

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**AI and Backend Intern, StoryVord, London** — May 2024 - July 2024

[StoryVord](#)

- 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

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**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

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- 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

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<b>Programming Expertise</b>	Python, Java
<b>Technical Proficiency</b>	ML, DL, NLP, Data Analysis & Visualization, Predictive & Statistical Modeling
<b>Frameworks &amp; Libraries</b>	TensorFlow, Keras, Scikit-learn, NumPy, Pandas, Streamlit
<b>Others</b>	Django, SQL, MongoDB, AWS, Docker, GroqAI, Tableau
<b>Miscellaneous</b>	Spearheaded, Competent, Receptive, Dynamic

## EDUCATION

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GLA University	Mathura, Uttar Pradesh
<b>B.Tech in Computer Science &amp; Engineering: Specializing in AI and ML</b> CPI: 8.6/10	Expected 2025 St.
Mary's Convent School	Agra, Uttar Pradesh
<b>Intermediate (12th)</b> : Science (PCM) with Computer Science Percentage: 84.4%	2019 - 2021

## ACHIEVEMENTS

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- **SIH 2023:** Proposed a Human detection system in the prestigious national-level SIH 2023. ([Certificate](#))
- **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. ([Certificate](#))
- **IAA, IIT Kharagpur:** Top 1% position in the Analysis and Algorithm course at IIT Kharagpur. ([Certificate](#))

## EXTRA-CURRICULAR ACTIVITIES

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