# KUSHAGRA SHARMA

[Portfolio Website](#)

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## EXPERIENCE

**SDET, E2E Cloud, Delhi** — Jan 2025 - Present
- **Innovated end-to-end API automation** for cloud infrastructure components (VPCs, SFS, VMs), developing scalable testing frameworks, integration tests, and workflows using Python, reducing testing time by **70%**.
- **Collaborated teams** to enhance release quality across services. Expanded coverage to include edge cases and failure scenarios to make systems more **resilient, reliable**, increasing test coverage by **30%**.

**Engineering Intern, WhatBytes, Banglore** — Nov 2024 - Jan 2025
- Developed an automated ad campaign orchestration platform using **Django, PostgreSQL, and REST APIs**, integrating **Stripe** for seamless payment workflows - streamlining transaction handling and errors by nearly **25%**.
- **Built real-time data pipelines and reporting tools** to fetch metrics from **TikTok Ads, Google Ads, and LinkedIn**, enabling up to 30x faster insights while making analytics more accessible for non-technical teams.

**AI and Backend Intern, StoryVord, London** — May 2024 - Jul 2024
- Deployed 3 **AI-powered assistant** bots using LLMs, Django, and Azure Cloud to automate key parts of the film production process - including legal compliance, cultural insights, and logistics planning.
- Accelerated RESTful APIs, authentication flows, and data pipelines, which improved the performance by 20%.

## PROJECTS

**AI Assistant** — Python, Pyautogui, Azure, MongoDB, GroqAI, Autogen — [Check Out](#)
- Directed **a team of five** at the **IBM India National Hackathon** to build an AI-powered personal assistant that automated everyday tasks - **90% faster** task execution without compromising on quality.

**RAG Patent Q&A** — Python, Keras, Qdrant, Langchain, GroqAI, FastAPI — [Check Out](#)
- Implemented a **RAG** system using **FastAPI, Qdrant and LangChain** to answer patent law queries; processed **1,000+ embeddings**, **40% higher accuracy**, and fully Dockerized the app for deployment on **AWS**.

**Brain Disease Detection** — Python, Keras, Streamlit, MongoDB — [Check Out](#)
- Deployed a streamlit web app with authentication features, effectively detecting more than 2 types of brain diseases with over 90% accuracy, enhancing diagnostic capabilities for neurological conditions.

## SKILLS

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|---|---|
| **Programming Expertise** | Python, Java |
| **Technical Proficiency** | ML, DL, NLP, Data Analysis & Visualization, Predictive & Statistical Modeling |
| **Frameworks & Libraries** | TensorFlow, Keras, Scikit-learn, NumPy, Pandas, Streamlit, Pytest |
| **Others** | Django, SQL, MongoDB, AWS, Docker, GroqAI, Tableau, E2E |

## EDUCATION

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|---|---|
| GLA University | Mathura, Uttar Pradesh |
| **B.Tech in CSE: Specializing in AI and ML** CPI: 8.6/10 | Sep 2021 - May 2025 |
| St. Mary's Convent School | Agra, Uttar Pradesh |
| **Intermediate (12th)**: Science (PCM) with Computer Science Percentage: 84.4% | May 2019 - Apr 2021 |

## ACHIEVEMENTS

- **SIH 2023**: Engineered a human detection system at the prestigious national-level SIH 2023.   ([Check Out](#))
- **IAA, IIT**: Attained Top 1% position in the Analysis and Algorithm course at IIT Kharagpur.   ([Check Out](#))
- **IBM NH, Banglore**: Led quintets in representing at the National Hackathon organized by IBM. ([Check Out](#))