

Shashank Srivastava

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Skills

Programming Languages: Python | C | C++
Database Management: MongoDB | MySQL
Data Science Libraries: Numpy | Pandas | Matplotlib | Seaborn
Machine Learning and AI Frameworks: TensorFlow | Scikit Learn
Computer Vision and Image Processing: OpenCV | Moviepy

Cloud and Infrastructure: Azure | Google Cloud
Deep Learning: ANN | CNN | RNN | NLP | LLMs
Full-Stack Development: Django | HTML | CSS
Web Automation and Testing: Selenium
Version Control: Git

Projects

Next Generation Grievance Resolution System - NGRS

[Github](#) | [Video](#) 09/2023 - 10/2023

- This project was aimed at the slow and complex grievance lodging process, while also adding a feature to track and monitor it.
- Used the **Retrieval Augmented Generation (RAG)** for connecting the user's complaints to the employee/customer care provider.
- Integrated a universal chatbot that could lodge any kind of grievances and map them to the correct department and employee.

Conversation Insights for Relationship Managers

[Github](#) | [Video](#) 11/2023 - 11/2023

- Improved the connections between Relationship Managers and Customers, by analysing the old conversation and past experiences.
- Uses the customer's past data to predict best services and interested areas to be focused on, hence increasing sales and improving sales.
- Analyzed the customer's interests using Natural Language Processing (**NLP**) and employed Language Models (**LLMs**) to enhance accuracy.

Short Video Content Automation - SVCA

[Github](#) | [Youtube Channel](#) 04/2023 - 05/2023

- Automated the creation of short news videos. Thus, seeking growth in AI-generated video content creation.
- Worked on data scraping, data cleaning, and content creation using LLMs. Also, designed an algorithm to create a visually appealing video.
- Used **Selenium** for **web scrapping** and **OpenCV** and **Moviepy** modules to create these videos, while scripts were created from LLMs.

Branch Banking CCTV Security

[Github](#) | [Video](#) 04/2023 - 04/2023

- Enhance bank security by detecting weapons and identifying security guards, ensuring comprehensive threat assessment.
- Integrated YOLO v3 for weapons detection, employed facial recognition, and body posture analysis to identify security personnel.

Education

Bachelor of Technology **GL Bajaj Institute of Technology and Management** *Greater Noida, IND* 11/2022 - 11/2026

- Major in Applied Computational Science and Engineering in Artificial Intelligence and Machine Learning.

Experience

Microsoft Learn Student Ambassador | MLSA | Alpha

11/2023 - Present

- Engaged as an MLSA to expand knowledge, foster personal development, and contribute to the advancement of the tech community.

Google Developer Students Club | GDSC | AI ML

08/2023 - Present

- Joined as AI ML core team member in GDSC. Learned more about Core Machine learning and its practical application using projects.

Shrink Club | Editorial Director

01/2023 - 12/2023

- Guided a team of five as Editorial Director, enhancing collaboration for impactful content.
- Transformed content delivery through technical reports, presentations, and student-focused resources.

Hackathons

- **Finxthon:** Organised by Q2 software and we were ranked among the **top 10** out of 150 teams, securing a strong position. (11/2021)
- **InnovateX'23:** Organised by NSUT college, where our team secured **3rd position** in the domain of banking securities. (04/2023)