

ARUSHI JAIN

London, United Kingdom | +44 7917304136 | jainarushi651@gmail.com | [linkedin.com/in/arushijain1106](https://www.linkedin.com/in/arushijain1106)

EXPERIENCE

Freelance | Manipal University Jaipur | India

Aug 2024 – Sept 2024

- Automated MoU tracking and reporting for the Directorate of International Collaborations at Manipal University Jaipur using Excel formulas, minimizing manual effort by 50% and improving tracking efficiency.

Software Engineer Intern | StatusNeo | India

Jan 2024 – May 2024

- Engineered an AI-driven query processing tool leveraging NLP, PostgreSQL, and machine learning algorithms, delivering a 30% improvement in query response accuracy.
- Designed and deployed a machine learning model using scikit-learn's RandomForestClassifier, optimizing query classification with a 92% accuracy rate across multiple domains, including healthcare and finance.
- Deployed on AWS with Docker, ensuring scalability and 99.8% system uptime under high-traffic scenarios with up to 1,000 concurrent users.
- Automated the CI/CD pipeline using GitHub Actions, cutting down deployment time by 50% and enhancing system reliability.

Research Intern | CSIO-CSIR | India

May 2023 – Aug 2023

- Implemented dictionary-based and rule-based Named Entity Recognition (NER) techniques to standardize ingredient measurements, achieving a 25% improvement in data consistency.
- Developed a robust data normalization pipeline using Python and Pandas to convert unstructured ingredient data into a standardized format, increasing data usability by 35%.
- Collaborated in developing ingredient and recipe embeddings using Word2Vec, GloVe, Doc2Vec, and BERT models, enhancing nutrient value prediction accuracy by 12%.

EDUCATION

Queen Mary University of London, London, UK

Sep 2024 – Sept 2025

Master of Science, Artificial Intelligence

Relevant Coursework: Machine Learning, Deep Learning, Natural Language Processing, Neural Networks, Applied Statistics, Information Retrieval.

Major Project: AI-Powered Code Assistant

Manipal University Jaipur, Jaipur, India

Oct 2020 – July 2024

Bachelor of Technology, Information Technology

CGPA: 8.47/10.0

Relevant Coursework: Machine Learning, Deep Learning, Natural Language Processing, Data Science, Web Development, Data Structures, Information Retrieval.

PROJECTS ([Github](#))

“AI-Powered Social Media Automation” [Link](#)

- Created an AI-powered social media automation tool using Python, Flask, OpenAI GPT models, and AWS RDS, automating content generation and scheduling across LinkedIn and Instagram, increasing engagement by 35% and reducing manual effort by 50%.

“Personalised Health Treatment” [Link](#)

- Integrated an AI-powered healthcare chatbot using scikit-learn, Flask, and SQL that analyzes user symptoms, provides medical advice, and suggests precautions, securing 92% diagnostic accuracy, strengthening user engagement by 40%, and streamlining consultation time by 30%.

“Automated Text Structuring Pipeline (NLP & Data Preprocessing)” [Link](#)

- Built a robust NLP pipeline leveraging tokenisation, lemmatisation, and entity extraction to convert unstructured textual data into structured formats, improving dataset usability by 35% and optimising downstream model readiness for machine learning workflows.

SKILLS

- Programming Languages:** Python, C++, C, JavaScript, PHP, HTML, CSS
- Web Development:** Django, Flask, Streamlit, RESTful APIs
- Machine Learning & Data Science:** TensorFlow, Scikit-learn, Pandas, NumPy, Seaborn, NLP, Feature Engineering, Data Normalization, Text Preprocessing
- Cloud & Deployment:** SQL, MySQL Workbench, SQLite, AWS RDS, PostgreSQL
- Tools & Technologies:** Arduino IDE, Git, Excel, Web Scraping, API Integration, Process Automation

ADDITIONAL INFORMATION

- Certified in Python, Data Science, and Machine Learning; actively contributed to social causes by leading blood and plasma donation drives, mentoring underprivileged students, volunteering with the Art of Living Foundation, and gaining hands-on experience in customer service through a catering job.