

# SANSKRUTI JAJOO

WhatsApp: (+91) 9422881257 | [jajoosanskruti@gmail.com](mailto:jajoosanskruti@gmail.com) | <https://www.linkedin.com/in/sanskruti-jajoo> | <https://github.com/SMJajoo> |  
39 Winifred Avenue, Coventry, CV5 6JT, England

## AREAS OF EXPERTISE

Machine Learning, Data Science, Data Analysis, Natural Language Processing, Cloud technologies, Agile Framework, Big Data

## EDUCATION

**Master of Science (M.Sc.) in Computer Science (Artificial Intelligence)**

Sep 2021- Sep 2022

**UNIVERSITY OF NOTTINGHAM**

Nottingham, England

Award: *Computer Science Excellence Award*

**Bachelors of Technology (B.Tech) in Production Engineering (Sandwich) (with Minors in Computer Engineering)**

Jul 2015 – Jun 2019

**COLLEGE OF ENGINEERING, PUNE**

Pune, India

## PROFESSIONAL EXPERIENCE

**AAD Senior Data Analysis Engineer**

Nov 2022 – Present

**JAGUAR LAND ROVER**

Coventry, England

- Conduct vehicle testing data analysis for ADAS (Advance Driver Assistance System) vehicle features.
- Spearheaded the development of a YOLOv5-based video analysis system to detect alert signals with 77% accuracy, ensuring timely and accurate recognition of vehicle dashboard notifications, and improving testing efficiency by 80%.
- Automated a data pipeline to generate Tableau dashboards from JIRA and TRM requirements, reducing manual effort by 80% and accelerating report generation time by 70%, improving data integration and visualization efficiency.
- Deployed a GCP cloud-based dashboard to track vehicle test executions, enabling real-time monitoring and reducing data processing time by 40%, enhancing test efficiency.
- Initiate and lead a weekly internal knowledge-sharing session focused on data science and software engineering topics, fostering team learning and cross-functional collaboration through technical presentations and discussions.

**Intern Data Scientist**

May 2022 – Sep 2022

**UNIVERSITY OF NOTTINGHAM - DIGITAL RESEARCH SERVICE**

Nottingham, England

- Generated data driven action plans based on COVID-19 app data with 200+ patients.
- Applied predictive modeling to forecast COVID-19 case surges from 30+ locations, aiding in resource allocation and preparedness.

**Software Engineer**

Jul 2019 – Jun 2021

**ZEBRA TECHNOLOGY PVT. LTD.**

Pune, India

- Engineered REST API-driven solutions for Workforce Scheduling platform, optimizing labor schedules and budgets for over 20 clients using Java, SQL, and AngularJS.
- Provided technical support and troubleshooting for clients, achieving a 25% decrease in reported issues and enhancing overall user experience.

**Data Analyst Intern**

July 2017 –Dec 2017, Dec 2018– May 2019

**TATA MOTORS**

Pune, India

- Standardized purchase processes, managed 70+ proposals, and reduced vendor selection time by developing an application based on TOPSIS.
- Improved assembly line efficiency by 28%, providing actionable insights with a comprehensive PowerBI dashboard that visualizes line parameters.

## PROJECTS

**NoteGenie - Smart assistant that generates notes and quizzes to boost learning**

June 2025

- Developed an AI-powered learning assistant for students using RAG (Retrieval-Augmented Generation) to generate context-aware notes, quizzes, and personalized feedback from academic PDFs—enhancing study efficiency and retention.
- Built an interactive app with persistent session state, enabling students to seamlessly navigate between tasks without data loss—improving usability and engagement in self-paced learning environments.

**Unified Medical Service - A Prescription Generator integrated with Medicine Inventory**

Apr 2025

- Built a web-based prescription generator to streamline clinical workflows, enabling doctors to instantly create patient prescriptions with customizable dosage, test recommendations, and health inputs.
- Integrated medicine inventory tracking system, that enabled doctors to adjust prescriptions transparently, maintaining patient trust, while automating out-of-stock item reordering to streamline inventory management.

**Browser Mate - Web Monitoring & Alert System**

Apr 2022

- Built a real-time web monitoring extension that reduced access to age-inappropriate sites, using Twilio API for instant SMS alerts.
- Integrated OpenAI based content summarization, improving parental control through AI-generated summaries of visited URLs.

**Big data – Credit card fraud detections**

Mar 2022

- Examined a large-scale imbalanced dataset of 2M+ transactions, detecting fraudulent activity in just 0.172% of cases.
- Applied SMOTE+ENN pre-processing to handle imbalance, resulting an improvement in fraud detection using Apache Spark on Databricks.

## SKILLS

**Python:** NumPy, Scikit-Learn, Matplotlib, Plotly, SciPy, Pandas, NLTK, TensorFlow, Keras, PyTorch, Seaborn, XGBoost, StatsModels, Pytest, PySpark, BERT, BeautifulSoup, Langchain, HuggingFace, streamlit

**Programming:** Python, R, Hadoop, Apache-Spark, SQL, Java, Spring, Angular JS, HTML, Jupyter, Linux

**Apps & Tools:** VSCode, R-studio, Eclipse, Tableau, Power BI, Git, JIRA, Confluence, Data bricks, Docker, AWS, GCP, Label Studio, CrewAI

## CERTIFICATIONS

Building Gen AI App 12+ Hands-on Projects with Gemini Pro (By Krish Naik on Udemy)

Mar 2025

Certified Tester Artificial Intelligence Testing (CT-AI) by International Software Testing Qualification Board (ISTQB)

Mar 2025

Certified Tester Foundation Level (CTFL) by International Software Testing Qualification Board (ISTQB)

Dec 2024