

# Akshat Jain

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## SUMMARY

MCA student specializing in Artificial Intelligence and Machine Learning, with extensive experience in data analysis, visualization, and programming. Proficient in Python, R, SQL, Excel, and skilled in full-stack development using Django, Flask, HTML, CSS, and JavaScript. Experienced in utilizing Power BI and Tableau to create actionable insights from complex data. During my BCA, completed additional coursework in Cyber Security and CCNA Networking, gaining hands-on experience with tools like Burp Suite and Nessus. Passionate about leveraging technical and analytical skills to drive data-driven solutions.

## EDUCATION

### Master of Computer Application | Artificial Intelligence and Machine Learning

Laxmi Narain College of Technology, Bhopal | (Pursuing)

### Bachelors of Computer Application | Computer Science

Jawaharlal Nehru University, Shujalpur | 2023

## SKILLS Technical

- Programming Languages: Python, R, JavaScript, SQL, NoSQL, C, C++, HTML.
- Development, Analysis, and Dashboard tools: Power BI, Tableau, Microsoft Copilot Studio, VirtualBox.
- Data Visualize & Cleaning: Numpy, Pandas, Matplotlib, Seaborn, ggplot2.
- Data Science / Machine Learning / Deep Learning: Data Visualization, Supervised & Unsupervised Learning, Feature engineering, Feature selection & extraction Scikit-Learn, TensorFlow, Pytorch, OpenCV.
- Cloud Deployment and containers: AWS (Beanstack, EC2, Lambda Function, S3 with NodeJS, Security Group), Heroku, Netlify, GitHub, Vercel.

## EXPERIENCE + INTERNSHIPS

### Data Science & Analytics | TechSimPlus Solution | Bhopal | July 2024 – Present

- Involved in requirement gathering and performing feature engineering to develop and implement the applied solution.
- Designed and developed reports and dashboards, transformed the data produced reports using the Power BI. And Tableau.
- Developed a real-time face detection application using OpenCV, Enhanced user interaction by highlighting detected faces with bounding boxes.
- Performed advanced analytics functions, including data modeling and prescriptive analytics, Supported SQL and VBA applications and tools.

### Data Scientist | 1stop.ai | Alcheringa IIT Guwahati | February 2024 – July 2024

- Gained hands-on experience in the complete data science pipeline, data collection, preprocessing, model training, and deployment.
- NumPy, Pandas, Matplotlib, seaborn and various type of Feature Engineering for model performance and predictive capabilities.
- Various Machine Learning algorithm; Linear, Logistic, Reinforcement, Naive Bayes, and more classification techniques.
- TensorFlow for deep learning model development, focusing on building and training neural networks.
- Project Experience : Conducted analysis on previous application results, merging outcomes to derive comprehensive insights for informed decision making.

## Projects Python Developer

- Project Overview : Developed a recipe website using Django, integrating complete backend functionality with a SQLite3, HTML templates and custom user authentication.
- Configured the project, creating apps, views URLs, and models with migrations established CRUD operation for recipe management through Django's ORM.
- Integrated registration and login pages for secure access of main and index page.
- Cards & Ranking System : Card-based display and ranking functionality to showcase popular recipes dynamically.
- Report Generation with Email : Created a report generation feature with email attachments allowing users to receive detailed recipe analytics.
- Frontend Integration: Utilized HTML and CSS for responsive design n login, registration and CRUD interface pages. Using bootstrap 5.

## CERTIFICATIONS

Data Analysis Using Python from IBM ID Number: 99e74de6cad640dda387dcc863aa80bb

Data Analytics and Visualization Job Simulation from Accenture

CCNA (Cisco Certified Network Associate

CEH v11 (Certified Ethical Hacker) – Licensed Global Certificate