Sakshi Rautela

techsakshirautela.com | 7456965264 | Greater Noida ,India

EDUCATION

AMITY UNIVERSITY
MCA in AI-ML
Jul 2024 - 2026 | Noida, IND

DEV BHOOMI UNIVERSITY
BCA in Computer Science
Aug 2021 - Aug 2024 | Ddn, IND
GPA: 9.03 / 10.0

JNV RUDRAPARAYAG
Grad. May 2021 | Rudraprayag, India
X- 94.4% , XII - 89%

LINKS

LeetCode:// **sakshirautela**
GeeksforGeeks:// **sakshirautela**
Facebook:// **sakshirautela**
Github:// **sakshirautela**
LinkedIn:// **sakshirautela**
Twitter:// **@sakshirautela**
Certificates:// **sakshirautela**

COURSEWORK

GRADUATE
Advanced Machine Learning Open Source
Software Engineering
Advanced Interactive Graphics
Compilers + Practicum Cloud Computing
Evolutionary Computation Defending
Computer Networks Machine Learning

UNDERGRADUATE
Information Retrieval
Operating Systems
Functional Programming
Computer Graphics + Practicum

SKILLS

PROGRAMMING
Over 5000 lines:
Java • • Python • Javascript
Over 1000 lines:
C • HTML • CSS • C++ •
Familiar:
AWS • MongoDb • PostgreSQL • MySQL

EXPERIENCE

HACKER RANK | Software Engineer Intern
Jul 2024 – Aug 2024 | Remote
- Improved problem-solving and coding skills by regularly participating in timed challenges and contests.
- Gained hands-on experience in languages such as Python, Java, and C++, applying theoretical knowledge to real-world scenarios.
- Developed optimized and scalable solutions that achieve high accuracy and performance benchmarks.

CODESOFT | Machine Leaning Intern
Mar 2025 – Apr 2025 | Remote
- Implemented supervised and unsupervised learning models using Python libraries such as Scikit-learn, Pandas, and Matplotlib.
- Built and submitted projects including Hand-Writing-Recognizer
- Strengthened understanding of core ML concepts including model evaluation, data splitting, feature scaling, and performance metrics.

PROJECT

AI-POWERED RESUME SCREENER
- Developed an NLP-based system to match resume with job descriptions using semantic similarity.
- Fine-tuned BERT for text embeddings and ranking relevance scores.
- Deployed a real-time screening tool with Streamlit for recruiter-friendly interaction

FAKE NEWS DETECTION SYSTEM
- Designed a binary text classification model to detect fake news articles using NLP techniques.
- Trained models using TF-IDF and BERT embeddings with high accuracy and F1 score.
- Built and deployed a flask-based web app for public use and live testing.

AI RECIPE RECOMMENDATION SYSTEM
- Developed a content-based recommendation system that suggests recipes based on available ingredients or user preferences.
- NLP techniques used to vectorize recipe instructions and ingredients using TF-IDF and cosine similarity.
- Streamlit built an interactive web app that allows users to input ingredients and receive personalized recipe suggestions.

VEHICLE LANE DETECTION
- Autonomous Built a deep learning pipeline to detect lane markings in real-time from video input.
- Using OpenCV and CNN for edge detection, filtering, and object segmentation.
- Integrated model into a dashboard to visualize predictions on live dashcam feeds.