

SANCHIT KUKREJA

New Delhi, India

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PROFESSIONAL SUMMARY

Results-oriented Software Engineer and AI/ML Developer currently pursuing a B.Tech at Bennett University, with a strong foundation in algorithms, software engineering principles, and data-driven problem solving. Proficient in machine learning, deep learning, and web development, with hands-on experience designing and developing scalable, intelligent applications. Demonstrates the ability to translate complex requirements into efficient, real-world solutions through analytical thinking and strong technical expertise. Committed to continuous learning and professional growth, with experience collaborating on projects to build impactful and innovative technology solutions.

EDUCATION

Bennett University

Bachelor of Technology (B.Tech) – Computer Science in AI/ML
CGPA: 8.46

Uttar Pradesh, India

2024-2028

VSPK International School

CBSE Class XII
Percentage: 88%

New Delhi, India

2023

Technical Skills

- **Programming:** Java, Python, C, C++, JavaScript
- **Backend:** Spring, Spring Boot, Spring Security, Flask
- **Frontend:** HTML, CSS, Streamlit
- **Machine Learning / AI:** Scikit-learn, TensorFlow / PyTorch, YOLOv8, Pandas, NumPy
- **Databases:** MySQL, MongoDB
- **Tools:** Git, GitHub, Postman, VS Code, Jupyter Notebook

PROJECTS

Intrusion Detection System (IDS) Dashboard – Real-time Security Monitoring Platform

- Developed a real-time Intrusion Detection System (IDS) dashboard to monitor system and network activity.
- Applied machine learning algorithms for threat classification and anomaly detection.
- Designed an interactive Flask-based web interface to visualize risk levels, alerts, and confidence scores.
- Integrated data processing, model inference, and dashboard visualization to improve security monitoring efficiency.

FixMyCampus – University Issue Tracking Platform

- Developed a web-based ticketing system to report and manage campus infrastructure and maintenance issues.
- Implemented role-based workflows for students and administrator to track status and resolution progress.
- Designed backend logic and database structure for efficient issue categorization and management.
- Improved user experience through a responsive interface and streamlined complaint submission process.

Weapon Detection System – Computer Vision Safety Application

- Built an end-to-end computer vision system to detect weapons such as guns and knives using YOLOv8.
- Trained and evaluated deep learning models on image datasets for object detection tasks.
- Developed a Streamlit web application for real-time image prediction and visualization.
- Improved detection accuracy through image preprocessing, model tuning, and performance evaluation.