

SHREYA SARAF

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🌐 [Portfolio](#)

Profile

Aspiring Software Developer with knowledge of Django, C++, and Python. Interested in building web applications, REST APIs, and learning AI and machine learning. Enthusiastic about contributing to projects and gaining hands-on experience.

Education

Baderia Global Institute of Engineering & Management **2022 – 2026**
B.Tech in Computer Science & Engineering (IoT with Cybersecurity including Blockchain Technology) *Jabalpur, India*
– **CGPA: 8.12**

Nachiketa Higher Secondary School **2021 – 2022**
12th Standard *Jabalpur, India*
– **Percentage: 73.80%**

Nachiketa Higher Secondary School **2019 – 2020**
10th Standard *Jabalpur, India*
– **Percentage: 89.60%**

Projects

- Anti-India Campaign Detector** | *Python, Django REST, React.js, RandomForest, SentenceTransformer*
- Developed a text classification pipeline with RandomForest + SentenceTransformer achieving **88% accuracy**.
 - Automated misinformation detection with confidence scoring and interactive data visualizations (Word Cloud, Pie Chart).
- HealthQ: AI-Powered Hospital Queue Management System** | *Python, Django, SQLite, Scikit-learn, Pandas, NumPy, Django Channels, Chart.js*
- Developed as part of a hackathon project to optimize hospital operations through AI-powered queue and bed management.
 - Built an AI model for wait-time prediction and bed allocation with **85% accuracy**, reducing OPD waiting time by 30%.
 - Implemented priority-based OPD queue management using Django REST Framework and integrated data visualization dashboards.

- Bureaucrat App** | *HTML, CSS, Bootstrap, Django*
- Streamlined document categorization and retrieval reducing search time by **40%**.
 - Developed secure authentication for officials and citizens with interactive dashboards and smart filtering features.
 - Implemented responsive design and smart filtering options for faster access to categorized legal, policy, and financial documents.

Technical Skills

Languages: Python, C++
AIML: NumPy, Pandas, Scikit-learn, Decision Trees, Regression, Classification
Web & APIs: Django, React.js, REST APIs
Tools & Platforms: Git, GitHub, Streamlit, Render
Databases: MySQL, SQLite
Relevant Coursework: OOPs, DBMS, Computer Networks, Operating System

Achievements & Awards

Branch Topper - 2nd & 3rd Year, B.Tech

Best Girls Team Award - HACKSRIT 2025 (*Developed the “HealthQ” AI-powered hospital queue management system with my team during the hackathon.*)

1st Runner-up - *Ecopreneur Hackathon at Global Youth Fest 2.0*

Received **Google Cloud Cap** for contributions to *Google Cloud Arcade Initiative*