

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
<i>B.Tech in Computer Science & Engineering (IoT with Cybersecurity including Blockchain Technology)</i>	<i>Jabalpur, India</i>
– CGPA: 8.12	
Nachiketa Higher Secondary School	2021 – 2022
<i>12th Standard</i>	<i>Jabalpur, India</i>
– Percentage: 73.80%	
Nachiketa Higher Secondary School	2019 – 2020
<i>10th Standard</i>	<i>Jabalpur, India</i>
– Percentage: 89.60%	

Projects

Anti-India Campaign Detector <i>Python, Django REST, React.js, RandomForest, SentenceTransformer</i>
– 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 <i>Python, Django, SQLite, Scikit-learn, Pandas, NumPy, Django Channels, Chart.js</i>
– 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 <i>HTML, CSS, Bootstrap, Django</i>
– 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*