

Suyash Agarwal

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EXPERIENCE

Software Engineer Intern

Orbit Fox Labs

September 2023- December 2023

- Optimized Elasticsearch for 30% faster searches, boosting efficiency at Orbit Fox Labs.
- Utilized Docker containers and Kibana to implement Elasticsearch and seamlessly pass data to the backend.
- Built high-performance Flask-based website backend using Python libraries for optimal functionality.

Backend developer

Octapin

July 2023 - August 2023

- Successful backend development, driving website growth via increased institute sign-ups.
- Increased speed of website by 120% using Django.
- Gained practical skills through real-life project insights.

SKILLS

Languages: Python, C++, JavaScript

Front-End: HTML/CSS

Backend: Django, Django Rest Framework

Databases: MySQL, MongoDB

Tools: - Jupyter, VS Code, Git, GitHub, Mongo Db, AWS Cloud, Google cloud, MySQL, PyCharm

Soft Skills: - Problem Solving, Self-learning, Presentation, Adaptability.

PROJECTS

MITS NOC/No-Dues Portal

Madhav Institute of Technology and Science • [Link](#) • January 2024 - March 2024

- Developed and deployed a web-based portal to streamline the process of obtaining No Objection Certificates (NOC) and NoDues clearances for students.
- Implemented features for user authentication, application submission, review workflows, email notifications, and profile management.
- Technologies Used: Python, Django, HTML, CSS, JavaScript, Bootstrap, SQL
- Achievements: Reduced processing times by 80+%, resulting in improved efficiency and user satisfaction.
- Impact: Facilitated smoother communication between students and administrative departments, leading to faster resolution of clearance requests.

Credit Card Fraud Detection

Self-Project: [GitHub](#): June 2024 – July 2024

- Developed ML Model achieving 98% fraud detection accuracy in simulated test.
- Optimized real-time transaction scoring, reducing false positives by 40%.
- Implemented advanced feature extraction techniques, improving model precision by 25%.

Sorting Visualizer

Self-Project: August 2024

- Developed a sorting algorithm visualizer using JavaScript/HTML, supporting algorithms like Quick Sort, Bubble Sort, Merge Sort etc.
- Visualized real-time sorting with the state after each pass reflected, and implemented user controls for speed adjustments.
- Designed as an educational tool to demonstrate sorting processes and time complexities visually.

EDUCATION

Bachelor of Technology - BTech, Computer Science and Engineering (Honors in Information Security)

Madhav Institute of Technology and Science, Gwalior • 2025 • 8.3

Higher Secondary Education

Sanskar public School • Gwalior, MP • 2021 • 9.4

Secondary Education

St. Paul's School • Gwalior, MP • 2019 • 9.25

ACADEMIC ACHIEVEMENTS / CERTIFICATIONS

Career Essentials in Data Analysis – MICROSOFT / LINKEDIN - 2024

Ethical Hacking - NPTEL – 2023

Cyber Security and Privacy – NPTEL - 2023

Technical Support Fundamental – GOOGLE / COURSERA - 2023