

Suyash Agarwal

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EXPERIENCE

Core Tech Team Member

Startup Cell MITS

December 2022 - Present

- Assisted in the development of the cell's website.
- Managed and coordinated various events for the cell.
- Undertook diverse tasks to enhance the cell's ranking and overall functionality.

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.

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.
- Lessons Learned: Enhanced problem-solving skills and gained experience in full-stack web development.
- Future Development: Planning to integrate additional features for data analytics and reporting to further enhance administrative efficiency.

Credit Card Fraud Detection

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%.

Car Rentals

April 2023 - May 2023

- Revitalized agency involvement: Simplified registration, 5-image validation for vehicles, enhancing trust and market presence.
- 30% performance boost with optimized data storage. Admin and agencies securely manage vehicles.
- User-friendly UI for seamless car booking without complications.
- Efficient car filtering by brand and fuel type for quick user selections.

EDUCATION

Bachelor of Technology - BTech, Computer science and engineering

Madhav Institute of Technology and Science, Gwalior • 2025 • 8.25

Higher Secondary Education

Sanskar public School • Gwalior, MP • 2021 • 9.4

Secondary Education

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

SKILLS

Languages:- Python, C++, Javascript

Front-End:- HTML / CSS / React (basic)

Backend:- Django, Django Rest Framework

Databases:- MySQL, MongoDB

Data Structures and Algorithms (C++)

Data Analysis and Visualization