

Amisha Sinha

 lost-rider |  Amisha Sinha |  website |  amisha1324s@gmail.com |  +91 79035 05251

Summary

Skilled developer with experience in machine learning, backend and frontend, proficient in web application development, seeking opportunities for growth and impact.

Education

2021 - 2025	Bachelor's Degree,	at	IIT Kharagpur	(CGPA: 7.76)
2021	Class 12th CBSE	at	Krishna Public School, Patna	(91.6)
2019	Class 10th CBSE	at	D.A.V Public School, Patna	(95.6)

Work Experience

Data Science Intern at NPCI (Received PPO) May'24-July'24

- Researched on optimizing web server gateways by comparing the working of **ASGI** and **uWSGI**.
- Implemented parallel model prediction using **multithreading** and **asynchronous** computation.
- Optimised prediction of model using **ONNX** and **sparse** matrix reducing the latency to **50%** .
- Got familiarised with server hosting using **Gunicorn** and **FastAPI**.

Full Stack Intern at Insteasy Nov'23-Sep'24

- Worked as an intern specializing in bug fixing, API development using **Django** with **Angular**.
- Build components, services, and authentication guards and integrated them with **rest** APIs.
- Worked with version control systems like **Bitbucket** and **Git**, and learnt about deployment with **CI/CD** pipelines .

Research Intern at IIT Kharagpur, Prof. Surjya Kanta Pal May'23 - July'23

- Developed an application that performs defect detection in welding and generates an analysis report.
- Implemented login and signup system with user authentication for secured application access.
- Integrated Python files with **Django** and **React** to perform object detection mechanism.

Projects

Power Converter Store, Term Project, Prof. Dipankar Debnath July'24 - Present

- Build an application which serves as online store for buying power converter components.
- Safe limit value for each component is calculated in **typescript** logic and components are filtered.
- Components are extracted using **selenium** script which updates database using **APScheduler**.

Movie application, MongoDB, Open Software'24 (silver winning team) Mar'24 - Apr'24

- Implemented authentication and authorization using **JWT** token in **Express** with **MongoDB**.
- Enabled role-based access controls for Admin and standard user to query the sample-mflix movie database of MongoDB, ensuring proper access and updating of data.
- Collaborated in a team of 5 to implement **autocompletions**, full-text and semantic search .

Skills

Programming Languages and Softwares: Python, C, C++, HTML, CSS, Github, Bitbucket, Jira, Docker, FastAPI, Visual Studio code, Heroku

Frameworks and Libraries: Django, Javascript, Node.js, MongoDB, Angular, Ionic, Pickle, h5, Random forest, Tensor Flow