

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.

WORK EXPERIENCE

Data Science Intern at NPCI

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-May'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** interface and **React** to detect defects using 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 along with their website URLs. for components is extracted using **selenium** script which updates itself at regular intervals using **APScheduler** .

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

- 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 .

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)

SKILLS

Programming Languages and Softwares:	Python, C, C++, HTML, CSS ,Github ,Bitbucket , Docker,FastAPI, Visual studio code
Frameworks and Libraries:	Django, Javascript, Node.js, MongoDB, Angular, Ionic, Random forest, Tensor Flow, Pickle, h5