

Aastha Pal

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EDUCATION

Indian Institute of Information Technology, Allahabad

BTech in Information Technology

CGPA (Till 6Th sem): 8.94/10

Dec 2021 - Present

Prayagraj , India

Advanced Academy

Class 12, CBSE

Percentage:95.2%

June 2019 - June 2020

Indore , India

Advanced Academy

Class 10, CBSE

Percentage:92.6%

June 2017 - June 2018

Indore , India

EXPERIENCE

Salesforce : SDE Intern May 2024 - July 2024

- Developed an AI-driven solution on Salesforce to automate asset data summarization, predict maintenance needs, and recommend suppliers.
- Designed and implemented custom prompt templates in Salesforce Flow Builder for comprehensive asset health summaries.
- Managed data across multiple Salesforce entities, including custom entities `SensorInfo.c` and `Preference.c`, to support seamless integration and automation.
- Utilized RESTful APIs to connect with Salesforce's Einstein GPT, enhancing data accuracy and system efficiency.

Technologies: Salesforce (Flow Builder, Einstein GPT, LWC), GenAI, REST API, Apex

PROJECTS

SVR Model Dealing with Photoacoustic Signals for Estimation of the Blood HbConc and SO2

Developed a machine learning approach leveraging Support Vector Regression (SVR) to estimate hemoglobin concentration and oxygen saturation using simulated photoacoustic (PA) signals. Generated datasets via Monte Carlo simulations for optical fluence maps and the k-Wave toolbox for PA signal modeling (201 data points, 10 ns spacing, SNR: 40 dB). Tested full-signal and feature-based approaches, achieving accuracies of 80% (HbConc) and 75% (SO2).

- Key Techniques: Monte Carlo & k-Wave simulation, Support Vector Regression, Photoacoustics

Flavour Fusion

A web-based blogging website (Group Project) for showcasing and sharing food recipes to a wider audience. Built using Node.js with Express and MongoDB for storing user recipes, the frontend was developed using EJS templating to render JavaScript objects from the backend.

- Technologies include, Javascript, Node.js, MongoDB, Express.js, and CSS.

Quick Link

Quick Link is a full stack project where I developed a URL shortener that allows users to shorten and customize URLs. The application includes features to track the count of clicks, the location of clicks, and the device used. Technologies Used in this project React JS, Supabase & Tailwind CSS.

- Technologies include, React JS, Supabase & Tailwind CSS.

ACHIEVEMENTS

- Shortlisted as a finalist in **Smart India Hackathon 2022** .
- Secured Global Rank **78** in Div3 CodeChef Starters 93 
- Participated in OutOfContext - a UI/UX Designing Hackathon
- Solved 900+ problems on various coding platforms, Codechef, Codeforces, Leetcode, GeeksForGeeks.

SKILLS





Experienced • C++ • C • HTML • CSS • JavaScript

Intermediate • NodeJS • ReactJS

Framework and Technologies • Git • MongoDB • MySQL • HTML

Relevant Course Work Data Structures and Algorithms , Database Management System , Operating System, Object Oriented Methodologies

CODING PROFILES

Codeforces: [Step_7833](#)  Leetcode: [aasthapal2611](#)  CodeChef: [step_7833](#)  InterviewBit: [aastha-pal](#) 

POSITION OF RESPONSIBILITY

- Head at Out of Context (The Design Hackathon).
- Head at Effervescence (Cultural Fest) & New Gen IEDC (Entrepreneurship cell , IIIT Allahabad).