

# Pratik Kumar Singh

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## Education

### Heritage Institute Of Technology

B.Tech in Computer Science Engineering(Data Science) Current SGPA-8.01

Kolkata, West Bengal

September, 2022 – Present

## Relevant Coursework

Data Structures and Algorithms ,Python Programming , R programming, Design and Analysis of Algorithms, Operating Systems, Database and Management Systems, Computer Organisation and Architecture.

## Experience

### HeadStarterAI

July 2024 - Present

Software Engineering Fellow

Remote

- Working as a **Full Stack Developer** in **Track-B**( Final project that takes a startup's current backlog and builds it meeting business requirements.)
- Built a **Personal website** and **Pantry Tracker** Website in **First 2 weeks** by myself.
- Building **5+ AI projects** with my team; I am developing a **responsive front-end** for a better user experience.

## Projects

**IndustryXpert** | *Bootstrap, HTML, CSS, JS, Flask, Sqlite, Python*

March 2024 – April 2024

- Industry Xpert is an AI based cutting-edge web application aimed at revolutionizing safety protocols within industrial environments. [Repository](#) | [Demo](#)
- I have developed the **entire Front-end** of this project for user friendly interface.
- Also I handled major **Backend Portions(50-55%)** like **Authentication, integration** and **database management** using SQLAlchemy and increased the project productivity by **2x**.

**MediConnect** | *TailwindCSS, ReactJS, Javascript, HTML, Flask, Sqlite, Python*

June 2024

- MediConnect provides comprehensive 24/7 healthcare services, allowing you to manage your health anytime, anywhere. This application supports early detection and proper medication, crucial for conditions like Parkinson's disease. [Repository](#) | [Demo](#)
- I have developed the **entire Front-end** of this project ensuring that it is **Responsive** for both Mobile and Desktop.
- Assisted with **backend portions (20-25%)** using Flask to ensure the ML model is integrated and as functions properly.

## Technical Skills

**Languages:** C, C++, Javascript, Python programming, R programming

**Front-end :** HTML, CSS, Bootstrap, ReactJS, TailwindCSS

**Back-end :** Flask, FastAPI, Sqlite, MySQL

**Tools and Others:** Git, Github, PostmanAPI, SocketIO

**Libraries:** Pandas, NumPy, Matplotlib, Tkinter

**Soft Skills :** Teamwork, Communication, Negotiation, Networking, Community Building, Leadership

## Achievements

- Winner of Rebase<01>**, a one month Long **online hackathon** organized by **GDSC IIIT Kalyani**.
- Among the **Top 25 teams(Semi-finalist)** of **HackForge-Forging the Future**, a **offline** hackathon organized by **CodeClub-Jadavpur University Saltlake**.
- Participated in AI powered hackathon **Diversion'24(Major League Hacking)** organized by IEM Kolkata and **Eastern India's Largest hackathon Hack4Bengal** at JIS college of Engineering.
- Among the **Top 5 Evangelists** of Eastern India's Largest Hackathon Hack4Bengal.
- Postman API student expert:** Certification in Postman API Fundamentals.