

Education

Birla Institute of Technology Mesra , Ranchi

Dec 2021 - May 2025

Bachelor of Technology - Computer Science and Engineering

CGPA - 8.53

Hellen School Sitamarhi

2019 - 2020

12th/CBSE

Percentage - 94.6

Assembly of God Church School

2017 - 2018

10th/CBSE

Percentage - 96.4

Skills Summary

- **Languages** C, C++, JavaScript, MySQL , HTML , CSS, MongoDB ,Firebase, Python
- **Libraries/ Frameworks** ReactJS ,NodeJS ,ExpressJS, BeautifulSoup, Selenium, Git, Visual Studio,React Query, Nextjs
- **Computer Fundamentals** Operating System, Object Oriented Programming, Data Structures and Algorithms , Database Management System,Computer Network.
- **Soft Skills** Leadership,Listening,Project Management,Group Working, Group Discussions

Work Experience

BosscoderAcademy - Software Developer Intern

- Developed and integrated a dynamic instructor form using **Next.js**, enabling seamless submission of instructor data to **Firestore** via backend APIs. Improved UX and reduced **data redundancy** by replacing repetitive instructor data entry with a **dropdown-based** selection with a lot of code optimisation, significantly speeding up the submission process.
- Implemented **client-side caching** using **React Query** and persisted the query to localStorage to load on hard refresh. Managed LocalStorage space through **LRU Eviction strategy** to minimize redundant **API** saving a lot of money for the company, speeding the load speed to 4X.
- Developed a **responsive Data Engineer** landing page using **Next.js** and **Tailwind CSS**, leveraging both new and reusable components with **conditional rendering** through **props** for optimal flexibility and maintainability.

Truminds Software Systems - Software Engineering Intern

- Developed and implemented **web scraping scripts** using **BeautifulSoup** to extract product data from popular **e-commerce** platforms, including Flipkart, Amazon, Blinkit and Big Basket.
- Employed **Selenium** for **dynamic** browser automation, enabling seamless extraction of data from dynamic websites
- Processed and stored scraped data in **CSV** format for machine learning model training, with subsequent storage in **MongoDB** for future applications and analytics. Thus streamlining the data collection process and automating information extraction.

Projects

Recollect(React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Groq API, Render, Netlify).

[Recollect](#)

- Designed and developed **Recollect**, a full-stack web application with comprehensive user account management that allows users to **register, log in**, read books, and summarise content using integrated **AI capabilities**.
- It is **responsive Website** which support variety of devices and screen sizes like Desktop and Mobile Phones.
- Integrated **Groq API** to enable text summarisation, allowing users to generate concise notes from book content via a **chat feature**.
- Built a secure **short notes management system**, where authenticated users can save, view, and delete personalised **AI-generated** summaries. This can result into improved and strategic revision saving a lot of time.

Plant Disease Detection (AIML, Python, Tensorflow, CNN).

[Github](#)

- Developed a **plant disease classification and prediction system** using **Convolutional Neural Networks (CNN)** for accurate image classification of 38 different plant diseases.
- Designed and Trained a **CNN Model** utilizing **TensorFlow** and **Keras**, optimizing performance through batch size, epoch selection, and hyperparameter tuning..
- Utilized **Kaggle Credentials** for data handling and model training, leveraging cloud resources for efficiency.

Customer-Relationship-management App(React.js, Node.js, Express.js, MongoDB, Postman, Render, Netlify)

[CRM_APP](#)

- Developed a **Mini CRM app** using React.js, Node.js, and MongoDB with **Google Authentication** for secure login.
- Managed **customer** and **order** data via **RESTful APIs** tested with **Postman**.
- Implemented features like **audience creation, campaign management**, and **message logging in communication-log** history.

Achievements

- Did **Software Developer internships** at **Truminds Software Systems, Bosscoder Academy**.
- Solved **1900+ Questions** across all programming platforms like **Codeforces** , **CodeChef** ,**GFG** , **Leetcode**
- Got selected in **Amazon ML Summer School**.
- **Knight @ Leetcode**-Rating(1870+) , **Pupil @ Codeforces** -Rating(1236) , **3star @ Codechef**-Rating(1682) .
- Got a **global rank** of **1219 / 26808** in **Biweekly Contest 142** of Leetcode
- Got **AIR-10450** in Jee Mains and **AIR-9027** in JEE Advanced.