

Pratham Raj

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EDUCATION

Heritage Institute of Technology

Bachelor of Technology, SGPA: 9.3

Millia Convent English School

Bachelor of Science (PCM), Percentage: 74.5

Kolkata, India

January 2025 - 5th Sem

Purnea, Bihar, India

June 2019 - August 2021

SKILLS SUMMARY

Languages: C++, JavaScript, TypeScript, Python, SQL, HTML/CSS

Frameworks: React, Express.js, Node.js, Django, Flask

Databases: MongoDB, PostgreSQL, SQL

Platforms: MongoDB Atlas, Docker

Tools: VS Code, Jupyter, PyCharm, Prisma, Turborepo

Soft Skills: Problem-Solving, Teamwork, Leadership, Communication

PROJECTS

Alumni Association Portal - Hackathon

Source code

Project Demo

- Developed a full-stack web application for an Alumni Association using React, Tailwind CSS for responsive design.
- Utilized MongoDB for scalable data storage and real-time updates of alumni records and events.
- Integrated user authentication, profile management, and real-time event updates to enhance user engagement.

Student Data Analysis

Source code

Technologies: Python, Django, Pandas, NumPy, Matplotlib, Seaborn, JavaScript, CSS

- Built a data analysis tool for student performance using Python, Django, Pandas, and NumPy.
- Generated detailed reports and visualized insights with Matplotlib and Seaborn to correlate academic performance with other factors.

Spotify Clone

Source code

Frontend: HTML, CSS, JavaScript — Backend: Node.js (Express, MongoDB, JWT) — Responsive Design

- Developed a fully functional Spotify clone, implementing sign-in/sign-up and user profile management.
- Used MongoDB for database management and JWT for secure authentication.
- Ensured responsive design for optimal user experience on both desktop and mobile devices.

CERTIFICATIONS

The Complete DSA Course

CERTIFICATE

- Strengthened problem-solving skills and optimized coding practices through comprehensive training.

Postman API Fundamentals Student Expert

CERTIFICATE

- Gained proficiency in consuming APIs in Postman and utilizing them in applications.