

SWAGATAM PATI

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Education

Indian Institute of Technology, Patna

Bachelor of Technology, Artificial Intelligence & Data Science

Aug 2023 - May 2027 (expected)

CGPA: 8.53

Ramakrishna Mission Vidyapith, Deoghar

Class XII, CBSE

May 2021 - Mar 2023

Percentage: 95.8%

Ramakrishna Mission Vidyapith, Purulia

Class X, WBBSE

Jan 2015 - Mar 2021

Percentage: 96.7%

Projects

FileBase | *NodeJS, ExpressJS, PassportJS, Prisma, PostgreSQL, Supabase, EJS, CSS* | **Source code** | **Link**

- Built a lightweight yet powerful cloud storage solution that enables users to securely store, organize, manage and share files in a structured folder system.
- Users can easily view file metadata (name, size, mimetype, upload time) as well as download stored files easily.
- Offers advanced file-sharing capabilities, allowing users to generate temporary shareable links for files. Users can set custom expiration periods (e.g., 5 minutes to 30 days) to control how long the shared files remain accessible. These shareable links enable unauthenticated users to securely access the files without needing an account.

DevLounge | *NodeJS, ExpressJS, PassportJS, EJS, PostgreSQL, CSS* | **Source code** | **Link**

- Developed a full-stack web application where authenticated members can create and view anonymous posts, while non-members can only see message content without author details.
- Set up secure user authentication, role-based access control, and membership verification using a secret passcode and added an admin role with privileges for content moderation.

YelpCamp | *NodeJS, ExpressJS, MongoDB, EJS, Bootstrap* | **Source code** | **Link**

- YelpCamp is a web application that enables users to create, view, and review campgrounds worldwide. The application integrates multiple technologies to deliver a dynamic and user-centric platform for outdoor enthusiasts.
- Incorporates user authentication and authorization through PassportJS, ensuring secure access to features like adding or modifying campgrounds and reviews.
- For enhanced user experience, YelpCamp integrates the MapBox API to render interactive maps displaying campground locations all over the world.

Achievements

- **JEE Advanced 2023:** Ranked among the **top 1.75%** (AIR 3577) out of 2 lakh candidates who qualified for the examination.
- **JEE Mains 2023:** Secured a **top 0.55%** rank among more than 13 lakh candidates from all over India.
- **West Bengal JEE 2023:** Obtained a merit rank of **434** competing against more than 1 lakh candidates.
- Rated **3 Star** on **CodeChef** with a rating of **1602**.
- Got a global rank of **477** in **CodeChef Starters 156 (Div. 4)** among 30,000+ active participants.

Technical Skills

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

Frameworks & Libraries: ReactJS, ExpressJS, PassportJS, Tailwind, Redux, Flask

Testing Frameworks: Jest, Vitest, React Testing Library

VCS & other Tools: Linux, Git, Vite, Webpack, Jinja, EJS, Supabase, Firebase

Databases & Mappers: MySQL, PostgreSQL, SQLite, MongoDB, Prisma, Mongoose

Extra Curricular

National Service Scheme (NSS)

Volunteer

IIT Patna

Aug 2023 - May 2024

- Worked as a volunteer facilitating the education of more than 50 local underprivileged children
- Designed 20+ posters and banners for the promotion of various NSS activities