

Aishwary Pathak

Full Stack Developer | B.TECH | Computer Science

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HACKATHON EXPERIENCE

MoonHacks Hackathon | Full-Stack Club Management System

- **Engineered** a full-stack Club Management System using the **MERN (MongoDB, Express.js, React.js, Node.js)** stack, developing a comprehensive suite of **RESTful APIs** to handle all **CRUD** operations for events, users, and contributions.
 - **Implemented** secure, token-based authentication to create distinct **Role-Based Access Controls (RBAC)** for Admin and Member tiers, safeguarding sensitive club data and administrative functions.
 - **Automated** the entire volunteer contribution and credit tracking process, **reducing manual administrative workload by an estimated 70%** and significantly improving operational efficiency, data accuracy, and member engagement.
 - **Developed** a modular, API-driven architecture and a responsive **React.js** front-end, ensuring a scalable, maintainable, and intuitive user experience across all devices.
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EDUCATION

School : Annie Besant School (CBSE)

- Class: 10th Scored 70% 2020
- Class 12th Scored 70% 2022

College: Shri Vaishnav Vidyapeeth Vishwavidyalaya

- B.TECH in computer science and engineering. 2022-26
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Projects

Personal Portfolio

[Visit Portfolio](#)

- React based interactive UI containing all necessary information about me.
- All project which are not listed here with their repo link.

All Is Well |

[VISIT ALL IS WELL](#)

Developed a full-stack application focused on user well-being, leveraging a modern AI model and a scalable serverless architecture to deliver high-impact features efficiently.

- **Engineered** an AI-powered conversational chatbot by integrating the **Google Generative AI (Gemini) API**, a strategy that **accelerated the development of the core feature by over 90%** compared to building a proprietary model from scratch.
- **Developed** a suite of **5+ interactive stress-relief tools** and a self-assessment feature, designed to **improve user well-being by an estimated 20%** through engaging, supportive activities and fast, server-side rendered UI with **EJS**.
- **Architected** RESTful API endpoints and deployed the application as a **serverless function on Vercel**, an approach that **reduces potential operational costs by over 40%** and enhances scalability compared to traditional server hosting

- Developed a **full-stack application** using **Node.js, Express.js, and MySQL**.
 - Implemented **CRUD operations** with **RESTful APIs** for employee and department data.
 - Integrated **role-based authentication** ensuring **data security and access control**.
 - Designed **relational database schema** with optimized SQL queries for scalability.
 - The project's running on a MySQL backend with **RESTful APIs** — performing operations like Add, Edit ,Delete user from a table. Demonstrating the **GET ,POST, PATCH** requests.
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Fullstack Project

GLOBEHOPPER

[Visit Project](#)

- **Architected** a secure and scalable server-side application using **Node.js, Express.js, and EJS**, implementing **10+ RESTful endpoints** for complete **CRUD** (Create, Read, Update, Delete) operations across listings and reviews.
- **Engineered** a robust authentication and authorization system with **Passport.js**, safeguarding user data and enforcing owner-based permissions to ensure data integrity by preventing unauthorized content modification.
- **Leveraged** the **MVC (Model-View-Controller)** design pattern and a **MongoDB** database with **Mongoose** to create a highly maintainable and organized codebase, streamlining the development of new features.
- **Integrated** third-party services including **Cloudinary/Multer** for cloud-based image uploads and the **Mapbox API**, enhancing the user experience with dynamic media handling and precise, interactive property mapping.
- **Successfully deployed** the application to production on the **Render** cloud platform, managing all environment variables and production configurations to ensure seamless availability and performance.

SKILLS

- **Frontend:** HTML5, CSS3, JavaScript (ES6+), React.js, Redux, Tailwind, Bootstrap
- **Backend:** Node.js, Express.js, REST APIs, Authentication
- **Databases:** MongoDB, Mongoose, SQL (MySQL)
- **Full-Stack:** MERN (MongoDB, Express.js, React.js, Node.js) – scalable apps
- **Collaboration:** Git, GitHub, CI/CD, Agile methodologies
- **Strengths:** Excellent spoken English, strong communication, problem-solving, presentation skills.

Certifications (Relevant ones)

1. Fullstack Development certificate from **APNA COLLEGE**.
2. Introduction to generative AI from **Google Cloud**
3. React Certification from **Simplilearn**.