Sayak Chatterjee

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EDUCATION

Chandigarh University | Mohali, Punjab
Bachelor of Engineering, Major in Computer Engineering (Gpa:8.36) | *Aug. 2020 – June 2024*

EXPERIENCE

Freelance Web Developer | May 2025 – Present
Vyom Systems | *Gurugram, Haryana*
- Delivered a custom CMS using WordPress for a client, improving content update efficiency by 40%.
- Integrated 10+ essential plugins to boost SEO, speed, and security, increasing traffic by 25% in 2 months.
- Managed full deployment via Hostinger, reducing downtime and setup time by 50%.

Java Full Stack Intern | January 2023 – April 2023
Yhills Pvt. Ltd. | *Noida, Uttar Pradesh*
- Built a scalable backend using Spring MVC, JPA, MySQL, and DBeaver to manage 1,000+ course entries and user logins.
- Developed RESTful APIs for full CRUD operations, reducing manual DB tasks by 60%.
- Implemented Role-Based Access Control (RBAC), cutting unauthorized access by 30% via admin/user flows.

PROJECTS

Portfolio Website | *Vite, React, Tailwind, Supabase, Material UI, Git* | May 2025 – June 2025
- Built a responsive, single-page portfolio using React and Tailwind CSS, reducing initial load time by 45% with Vite
- Integrated Supabase for backend data storage and dynamic content rendering, improving visitor interaction and form handling by 30%.
- Live Demo: portfolio.in/sayak

Content Management System (Client Project) | *WordPress, Hostinger, SEO Plugins* | May 2025 – June 2025
- Built and deployed a CMS using WordPress, enabling the client to manage 100+ content updates, reducing support dependency by 60%.
- Integrated 10+ plugins for SEO, speed, and security, boosting site performance by 35% and organic traffic by 25
- Live Demo: cms_portfolio/client

ADID | *ReactJS, NodeJS, ExpressJS, MongoDB, Python, Scikit-Learn, Matplotlib* | Aug 2023 – Dec 2023
- Led a 4-member team to build a real-time IoT anomaly detection system, reducing false positives by 30% using MERN stack and Python APIs.
- Enhanced IoT maintenance by 25% through actionable graphs and improved user engagement by 20% with secure authentication and intuitive dashboards.
- Live Demo: dev.in/ADID

TECHNICAL SKILLS

Languages: Java 8, Python, C/C++ 17, SQL, JavaScript, HTML5/CSS3, R Programming, PHP
Frameworks: React.js, Node.js, Material-UI, Flask, JPA, Spring Boot, WordPress
Database Technologies: NoSQL – MongoDB, Firebase ; Relational DB – SQLite, Supabase, PostgreSQL, MySQL
Tools & Technologies: Git, CI/CD, Docker, Vite, Apache Spark, VS Code
Coding Profiles: Leetcode/Sayak, HackerRank/Sayak, GeeksforGeeks/Sayak, Codechef/Sayak

CERTIFICATIONS / ACHIEVEMENTS

- Certification In AWS Cloud Architect Solutions (2024) | *Link*
- Internship Completion Certificate In JAVA Full Stack Development (2023) | *Link*
- Infosys SpringBoard Certification in "Introduction to R and Linear Algebra" (2023) | *Link*
- IIT Madras Nptel Swayam Certification in Data Mining (2022) | *Link*
- **Research Works**: Published a Research Paper titled "Enhancing IOT Anomaly Detection with DBSCAN" at a Conference on October 2024 | *Certificate Link* *Research Paper Link*