Soumajit Choudhury

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in **Soumajit Choudhury**   ⌂ **Github**   📄 **Portfolio**

WORK EXPERIENCE

Project on Named Entity Recognition (NER) and Incremental Model Training   **2023 - Present**

Researcher – Machine Learning

Work Experience Description

- Improved an incremental learning ML model, reducing training time by 40% on a 5,000+ sample custom dataset.
- Guided model training efficiency by 40% through optimized data handling and iterative update mechanisms.
- Enabled real-time adaptation to evolving data patterns, increasing model responsiveness and accuracy across changing input conditions.

PROJECTS

CarePulse: Appointment-Manager   ⟲ **Link**

Project: Doctor Appointment Website Development

- Created a responsive full-stack doctor appointment system with multi-user login (admin and patient), handling 50+ test cases.
- Integrated Appwrite for secure authentication and used Sentry to monitor real-time issues, improving debugging efficiency by 40%.
- Deployed the application on Vercel, achieving consistent performance and 99% uptime during deployment testing.

Tech Stack: Next.js, React, JavaScript, CSS, Shadcn, Appwrite, Sentry, Vercel.

CoachSense: AI-Career Coach   ⟲ **Link**

Project Lead and Full-Stack Developer

- Made an AI career coaching platform for 150+ users with Gemini-powered quizzes, resume builder, and cover letter generator.
- Reduced skill assessment speed by 40%, automated 50% of resume creation, and reduced cover letter prep time by 30%.
- Designed a responsive UI with Next.js and Shadcn, ensuring 100% mobile compatibility and <1s average load time.

Tech Stack: TypeScript, React, Next.js, Node.js, CSS, Shadcn, Prisma DB, Clerk, Google Gemini API.

Jobify: A Job Portal Website   ⟲ **Link**

Project Lead and Full-Stack Developer

- Developed a job portal for 50+ users with job posting, application tracking, and user role management.
- Integrated advanced search filters and JWT-based authentication, reducing job discovery time by 45%.
- Upgraded user experience with robust dashboards and cloud-based resume storage, cutting processing time by 35%.

Tech Stack: React.js, Node.js, Express.js, MongoDB, Material-UI, Redux, JWT, Cloudinary, REST APIs, Mongoose.

ColdReach: A Cold Mail Sender   ⟲ **Link**

Team *Project and Full-Stack Developer*

- Automated personalized outreach for 150+ recipients using standalone templates and resume data.
- Enabled 5× faster email generation via modular Python scripts with CSV and resume upload support.
- Built a configurable, beginner-friendly tool with support for multiple templates and SMTP customization.

Tech Stack: Python, smtplib, email.mime, dotenv, customizable templates, resume parsing, SMTP integration,Streamlit.

EDUCATION

Bachelor of Technology (B. Tech)   **2022-2026**

Institute of Engineering and Management,Kolkata | CGPA: 8.72/10

Higher Education (HS)   **2020-2022**

Mission Boys School, Bankura | Percentage: 91/100

SKILLS & LANGUAGES

Programming Languages- C++,Python,JavaScript

Database- SQL,Firebase,MongoDB

Frameworks/Technologies/Tools- VS Code,Git,Node.js ,Express.js

Frontend- HTML,CSS,React,XML,Tailwind

Coursework- Data Structures and Algorithms, System Design,Operating System,DBMS,Computer Networks,OOPS

CERTIFICATIONS / PUBLICATIONS

- **J.P. Morgan Software Engineering Virtual Experience, Forage** – Completed May 2025. Simulated real-world tasks such as debugging, data visualization, and environment setup.   Link
- **Accenture Developer Virtual Experience, Forage** – Completed May 2025. Simulated key software development tasks including project planning, API testing, and application design to reflect Accenture's client-driven engineering workflow.   Link