SAKSHAM AGRAWAL

Nati Emali, Varanasi, U.P. 221002

📞 +91-7317000031 ✉ sakshamag34@gmail.com in Linkedin ⌨ Github </> Leetcode

EDUCATION

Indian Institute of Technology (BHU) Varanasi   **2023 - 2027**
B.Tech - Chemical Engineering and Technology - **CGPA - 9.1**

DALIMSS Sunbeam School, Varanasi   **2021 - 2023**
CBSE (X) and (XII)

SKILLS

Languages: C, C++, Python, JavaScript, Typescript, Golang, SQL
Technologies/Frameworks: HTML, CSS, React.js, Node.js, Express, EJS, Next.js, Django, Tailwind CSS
Tools/Platforms: Git, GitHub, VS Code, Docker, MongoDB, Firebase, Linux, Postman, Generative AI
Areas of Interest: Software Development, Open-Source, Data Structures & Algorithms, Machine Learning

EXPERIENCE

Mittal Alliance Industries Pvt. Ltd.   **April 2025 – May 2025**
Full-Stack Developer Intern
- Built dynamic and interactive components for the company's web platform using React, HTML, CSS and JavaScript improving UX and accessibility, also ensured full mobile responsiveness.
- Integrated backend functionalities via APIs to enable seamless frontend-backend interaction.

Software Development Guild - Club of Programmers, IIT BHU   **July 2024 – Present**
Technical Contributor — Event Coordinator
- Led Freshers' Orientation, workshops on Git, programming & web dev, and curated structured learning resources.
- Mentored students and evaluated projects during DebugIt COPS Week '25 and Summer of Code '25 in the web track.
- Contributed to club open-source projects: Multiplayer UNO game (MERN), COPS website (React), Institute Grievance Portal, and Digital Permission System.

E-Cell IIT BHU   **July 2024 – April 2025**
Technical Associate
- Built interactive UIs and Apis for the official website and Campus Ambassador Portal using Next.js enabling smoother interaction for hundreds of active users
- Integrated dynamic forms to improve user interaction and data handling with Firebase.
- Added Framer Motion animations and managed web updates for E-Summit'25 technical execution

PROJECTS

AI-Powered Renewable Energy Forecasting System | *Github Deployment*
- Built a Next.js web app to predict and visualize renewable energy generation using MI models & interactive dashboards with secure access via Next-auth for authorized agencies.
- Integrated GRU + XGBoost models via Groq SDK for location-based forecasting.
- Designed and deployed a responsive interface using MapboxGL, Recharts, and Framer Motion, enabling dynamic geospatial visualizations and interactive dashboards.

Code-Exchange Web App | *Github Deployment*
- Full-stack web app inspired by Stack Overflow, built with Node & Express, MongoDB, EJS, and styled using Tailwind.
- Implemented authentication via Google OAuth and email/password, supporting a complete QA system with markdown rendering, tags, and persistent user sessions.
- Added answer reactions, theme toggle with persistence, and user profiles showing question/answer history.
- Integrated Stack Exchange API for real-time questions/answers from Stack Overflow.

ACHIEVEMENTS

- Secured 2nd position in the Hack It Out hackathon at Technex '25 (IIT BHU).
- Qualified JEE Advanced 2023 with AIR 6225 and JEE MAINS 2023 with 99+%ile .
- Received the Achievers Award as Science Stream Topper in XII board with sub-Topper in Chemistry & Mathematics.
- Contributed 100+ pull requests to diverse open-source projects on GitHub, including institutional websites and community-driven applications.
- Selected as a contributor in Gofr Summer of Code 2025 in the templates track, building an URL Shortner with Analytics using GoFr
- Gold Topper at Brainobrain 2018 – State-Level Inter-School Competition (State Rank: 220/1236, City Rank: 11/62)