

SAKSHAM AGRAWAL

C10 Chandra Towers, Nati Emali, Varanasi, U.P. 221002

+91-7317000031 sakshamag34@gmail.com linkedin.com/in/saksham-agrawal-a10387286 github.com/sksmagr23

Education

Indian Institute of Technology (BHU) Varanasi

July. 2023 – July 2027

Bachelor of Technology

DALIMSS Sunbeam School, Varanasi

April 2010 – June 2023

CBSE (X) and (XII)

Experience

Mittal Alliance Industries Pvt. Ltd.

April 2025 – May 2025

Full-Stack Developer Intern

Remote

- 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.
- 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

Code-Exchange Web App | Github Deployment

- Full-stack web app inspired by Stack Overflow, built with Node & Express, MongoDB, EJS, and styled using Tailwind.
- Built authentication with Google and Email/Password, with complete Q&A system, markdown, and tags support.
- 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.

AI-Powered Renewable Energy Forecasting System | Github Deployment

Team Hackathon

- Built a Next.js web app to predict and visualize renewable energy generation using ML models & interactive dashboards with secure access via Next-auth for authorized agencies.
- Integrated GRU + XGBoost models via Groq SDK for location-based forecasting.
- Developed a responsive UI with MapboxGL, Recharts, and Framer Motion for dynamic visualizations.

Skills

Languages: 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

Honours/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+ percentile.
- 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 college websites.
- 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)