

NIRUPAM CHAKRABORTY

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[Linkedin](#) | [Github](#) | [Website](#)

SUMMARY

Fourth-year Computer Science student at Jorhat Engineering College with strong expertise in web development and backend systems. Skilled in building scalable web applications, designing RESTful APIs, and leveraging cloud and DevOps technologies. Currently focused on integrating generative AI solutions to develop innovative, real-world applications.

EDUCATION

B.Tech in Computer Science and Engineering | Jorhat Engineering College | 2022 – Present

CGPA: 7.42

Higher Secondary | The Little Stars Sr. Sec. School | 2019 - 2021

Score: 92.8%

WORK EXPERIENCE

Indian Oil Corporation Limited (IOCL) | July 2025 – August 2025 | Digboi, Assam

- Developed a **cybersecurity web application** to analyze URLs and uploaded files (PDF/TXT) for **phishing, malware, and defacement threats**.
- Designed and implemented **RESTful APIs** and integrated third-party services to support secure data processing.
- Built a **MySQL-based authentication system** to enhance security, reliability, and application efficiency.

SKILL

- Frontend Development - HTML, CSS3, JavaScript, React.js, Redux, Tailwind CSS
- Backend Development - Node.js, Express.js, REST APIs, PostgreSQL, MongoDB, MySQL, JWT Authentication
- Programming Languages - C++, Java, JavaScript, SQL
- Miscellaneous - Git & GitHub, VS Code, Postman, Linux Basics, Docker, AWS (IAM, EC2, S3, VPC, RDS)

PROJECT

VibeStay | Node.js, Express.js, MongoDB, EJS, Bootstrap | [Link](#) | [Github](#)

- Developed a full-stack destination listing and review platform with secure authentication and CRUD operations.
- Integrated Cloudinary-based image uploads and implemented MVC architecture for scalable and maintainable backend design.

Chat AI WebApp | React.js, Express.js, MongoDB, OpenAI API | [Github](#)

- Developed an AI-powered chat application enabling **real-time, context-aware conversations** using the **OpenAI API**.
- Designed RESTful backend APIs to **store, retrieve, and manage chat history in MongoDB**, with efficient frontend state management in React.

Weatherly | React.js, Material UI, OpenWeatherMap API, Docker | [Github](#)

- Built a responsive weather application displaying **real-time temperature, humidity, and weather conditions** using the OpenWeatherMap API.
- **Containerized the application using Docker** and published the image on **Docker Hub**:
Docker Image: <https://hub.docker.com/r/nirupamchakraborty/weather-app>

QuickAI | React.js, Tailwind CSS, Node.js, Express.js, PostgreSQL, Gemini API, Cloudinary, Clerk | [Link](#) | [Github](#)

- Developed a full-stack AI SaaS platform enabling article generation, blog title creation, resume review, and AI-powered image processing with secure authentication via Clerk.
- Integrated Gemini API for text generation, Cloudinary for image transformations, and PostgreSQL for persistent storage with usage-based access control for free and premium users.