



Aditya Prabhakar

Roll No.:240107003

B.Tech - Chemical Engineering (Major)

Minor in Computer Science

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LinkedIn | Github | Portfolio

Codeforces (Max Rating 1098)

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.43 (Current)	2024-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	7 (Current)	2025-Present
Senior Secondary	CBSE Board	94.80%	2023
Secondary	CBSE Board	93.20%	2021

EXPERIENCE

• AYUSH Upchar

Web Developer Intern

Aug. 2025 – Oct. 2025

Remote

- Conducted a comprehensive **website performance audit** using Google PageSpeed Insights, analyzing **Core Web Vitals** and identifying major performance gaps across **desktop (score: 59)** and **mobile (score: 28)**.
- Quantified client-side inefficiencies including **1.5 MB+ unused JavaScript**, **45 KB unused CSS**, render-blocking resources causing **~390 ms (desktop)** and **~480 ms (mobile)** delays, and up to **~9.3 s of main-thread blocking time**.
- Authored a detailed **performance optimization report** outlining actionable improvements such as **deferred script loading**, **critical CSS inlining**, **CDN-based image delivery**, **SVG optimization**, and **semantic HTML enhancements**, projecting **PageSpeed improvements to 75+ (mobile)** and **90+ (desktop)**.
- Documented **SEO and accessibility enhancements**, including image alt-attribute optimization and structural markup improvements, targeting an **SEO score of 90+**, and presented recommendations to the development team for prioritization.

PROJECTS

• Vogue Nation Portal

Oct. 2025

Alcheringa 2026, IIT Guwahati

Website

- Built a **full-stack event registration and team management platform** using **Django**, **SQLite**, and **Google OAuth 2.0**, supporting secure authentication for **35+ teams and 140+ registered participants** (ongoing).
- Designed **relational data models** with Django ORM to enable **one-to-many team workflows**, implemented via **formsets and Django signals** for dynamic team creation and validation.
- Deployed the application using **Gunicorn** and **Whitenoise**, delivering a **responsive, animated UI** with **Tailwind CSS and GSAP** for live fest usage.

• UDGAM 2026 Website

Jan. 2026

UDGAM 2026, IIT Guwahati

Website | Github

- Designed and developed the **official frontend website** for UDGAM 2026 using **React**, **React Router**, **Tailwind CSS**, and **JavaScript**, serving as the primary public-facing platform for the fest.
- Implemented **responsive layouts and reusable UI components**, ensuring consistent user experience across desktop, tablet, and mobile devices.
- Optimized frontend performance and code structure by maintaining a **modular React component architecture**, improving readability and ease of future updates.

TECHNICAL SKILLS

• Programming: Python, C/C++, JavaScript, TypeScript*

* Elementary proficiency

• Databases: MongoDB, SQL, SQLite

• Web Development: HTML, CSS, React.js, Django, Node.js, Next.js*

• Tools and Platforms: Git, GitHub, Google OAuth, Gunicorn, Figma

POSITIONS OF RESPONSIBILITY

• Executive, WebOps, Spirit 2025, IIT Guwahati

May 2025 - Nov. 2025

• Executive, WebOps, Alcheringa 2026, IIT Guwahati

Jul. 2025 - Present

• Manager, WebOps, Udgam 2026, IIT Guwahati

Sep. 2025 - Present

ACHIEVEMENTS

• Department Rank 1, CL Branch, received the **Institute scholarship** for academic excellence.

2025

• AIR 5103, JEE Advanced, out of 1,80,000 JEE Main Qualified Candidates

2024

• AIR 5474, JEE Main, out of 13,00,000 Eligible Candidates

2024