



Aditya Prabhakar

Roll No.:240107003

B.Tech - Chemical Engineering (Major)

Minor in Computer Science

Indian Institute Of Technology, Guwahati

+91-9211577556

prabhakar130405@gmail.com

aditya.prabhakar@iitg.ac.in

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** Aug. 2025 – Oct. 2025
Web Developer Intern 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*
 - Databases:** MongoDB, SQL, SQLite
 - Web Development:** HTML, CSS, React.js, Django, Node.js, Next.js*
 - Tools and Platforms:** Git, GitHub, Google OAuth, Gunicorn, Figma
- * Elementary proficiency

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