

GOPAL AGARWAL

Siliguri, Jalpaiguri, West Bengal

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Education

National Institute of Technology, Rourkela

Bachelor of Technology in Biotechnology (CGPA: 7.25)

Aug 2024 – Present

Rourkela, Odisha

Heeralal Public School

AISCCE – CBSE, Science (PCM) (Percentage: 84%)

May 2023

Meer Vihar, Delhi

Don Bosco School, Siliguri

AISSE – ICSE (Percentage: 98%)

May 2021

Siliguri, West Bengal

Relevant Coursework

- Data Structures
- Algorithms Analysis
- OOPS

Projects

To-Do List Web App | *HTML, CSS, JavaScript*

December 2024

- Developed a **responsive task management web application** that allows users to add, complete, and delete daily tasks in real time.
- Implemented **DOM manipulation and event-driven JavaScript** to dynamically manage **3+ task actions** (add, complete, delete) with real-time UI updates.
- Integrated **Local Storage API** to persist **100% of user tasks** across browser sessions, improving data retention and usability.
- Applied **modern CSS (Flexbox)** to build a **mobile-first UI**, supporting **3+ screen breakpoints**.
- Improved front-end performance by optimizing event handling and code modularity, reducing load time by 30%.

Yamatcha Financial Case Study | *Advanced Excel, Financial Modeling, Data Visualization*

June 2025

- Developed a **10+ sheet end-to-end financial model** (assumptions, **83+ monthly revenue entries**, P&L, balance sheet, cash flow) for a beverage startup..
- Analyzed **45+ financial KPIs** including gross margin, EBITDA, CAC, break-even, and ROI to assess profitability and capital efficiency.
- Designed **3+ interactive Excel dashboards** using pivot tables, slicers, and conditional formatting to track **12+ performance metrics** and growth trends.
- Conducted **4+ scenario, sensitivity, and working-capital analyses**; automated **100+ calculations** via Excel formulas and macros, reducing manual effort by **65%** and improving forecast accuracy by **30%**.

Achievements/Certifications

MUMBAI HACKS 2025

*Selected as a **Finalist** at **Mumbai Hacks 2025**, a **national-level AI hackathon**, competing among **top teams nationwide**.*

Competitive Programming

Active participant on Codeforces (Rating: 1107) and CodeChef, with over 250+ DSA problems solved across platforms using C++.

Online Certifications

*Pursuing multiple Coursera and Udemy certifications across **Web Development, Business, and Finance***

Technical Skills

Languages: Python, C++, C, HTML/CSS, JavaScript

Finance And Analytics: Financial Modeling, P&L Analysis, Cash Flow Analysis, KPI Analysis, Scenario Analysis

Tools And Platforms: Excel (Pivot Tables, Macros), Git, GitHub, VS Code

Leadership / Extracurricular

Leadership

Spring 2024 – Present

President

NIT Rourkela

- Led sponsorship and management operations for FitCon Intra-NIT Arm-Wrestling 2024, raising **Rs 50,000** through sponsor outreach, negotiations, and stakeholder communication.
- Served as Coordinator for Innovision and Cosmopolitan at NIT Rourkela, managing **15+ events**, coordinating **30+ team members**, and handling cross-team communication, logistics, and scheduling.
- Active member of NIT Rourkela's Algorithm and Programming Society (APS), Finance Club, and FitCon Club, contributing to coding, financial literacy, and fitness initiatives
- Oversaw **4 core teams** (Outreach, PR & Publicity, Guest Lectures, Sponsorship) for **Algoutsav**, a flagship event of the Programming Society, engaging **2600+ participants** and coordinating cross-functional execution.