Abhinit Kumar

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EDUCATION

University of Kalyani, West Bengal, India
Bachelor of Technology in information technology — Expected May 2027
GPA: 7.8/10

Relevant Courses: Data Structures and Algorithms; Computer Networks; Operating Systems; Object Oriented Programming in C++; Web Development; Database Management Systems; Discrete Mathematics; Engineering Economics

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, JavaScript
Web Technologies: HTML, CSS, React.js, Firebase
Tools/Frameworks: Git, GitHub, VS Code, Google Sheets API, Firebase Auth, Firestore, Tailwind CSS
Other Tools: MS Office

- 💼 **PROJECTS**
- **Hostel Meal ON/OFF Tracker** – *Personal Project* (2025)
  - Engineered a real-time meal tracking system using **React**, **Firebase Auth**, and **Cloud Firestore**, used by **50+ hostel students daily**.
  - Automated ON/OFF meal logging across **3 daily sessions**, enabling dashboard-based status insights and reducing manual effort by **80%**.
  - Integrated **push notifications**, **PWA offline support**, and **dark mode UI** to enhance user experience and engagement.
- **Bank and ATM Management System** – *Academic Project, C++ (File-Based)* (2025)
  - Developed a CLI-based account management system using **C++ and file I/O**, handling **200+ simulated transactions**.
  - Implemented secure **user login**, **deposit/withdrawal**, **money transfer**, and **password encryption** with file validation logic.
  - Enabled modular account management functions with minimal runtime errors and optimized data access via file structures.
- **DSA Learning Challenge App** – *Ongoing Project, Flutter + Firebase* (2025)
  - Designing a gamified practice app with **daily coding challenges**, **leaderboards**, and **performance analytics**.
  - Leveraging **Firebase Auth**, **Firestore**, and **Flutter UI components** to deliver a mobile-first experience with scalable backend.
- **Attitude of Rising India – National Vision Project** – *National-Level Theme Project* (2025)

- Authored a **2,000-word research report** on India's technological, economic, and cultural initiatives for Viksit Bharat @2047.
- Analyzed key schemes like **UPI, NEP 2020, Chandrayaan-3, Nari Shakti Vandan Adhiniyam**, and **Yoga Diplomacy**.
- Project selected among **top 10 entries** for university presentation and public display.

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- 💼 **EXPERIENCE**
- **Online Mentor – DSA & Aptitude Prep** – *Self-Led Initiative* (2025–Present)
  - Mentored **10+ peers** for **GATE and CAT** preparation by creating daily schedules, concept breakdowns, and mock tests.
  - Shared over **50 topic-wise revision notes** and **100+ practice problems** with explanations using Google Docs and Notion.
- **Campus Project Developer – Automation Tools** – *University of Kalyani* (2025)
  - Developed lightweight internal tools using **HTML Forms + Google Sheets** to track hostel meal ON/OFF logs for **60+ students**.
  - Implemented Google Apps Script-based backend for **real-time dashboard updates** and session-level meal summaries.

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- ⚽ **ACTIVITIES**
- **University of Kalyani Annual Sports Meet** – *Participant*
  - Represented **DETS Department** in football and athletics, contributing to team's **semi-final** qualification in inter-department events.
- **GATE 2027 Preparation** – *Self-Planned Study Program*
  - Following a structured **30-week plan** involving **previous year question (PYQ)** solving, weekly mocks, and lectures from NPTEL & Unacademy.

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- 👥 **CLUBS & VOLUNTEERING**
- **Technical Coordinator – CSE Department**
  - Organized **4+ technical events**, including coding contests, hackathons, and seminars attended by **100+ students**.
- **Volunteer – Kids Learning Camp, Local NGO**
  - Taught **20+ rural students** fundamentals of **computers, logic building**, and internet safety using visual tools and activity kits.