



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	B.TECH	IIT Kharagpur	8.84 / 10
2021	AISSCE	DAV Public School	97.20%
2019	AISSE	Young Blood Public School	97.00%

AWARDS AND ACHIEVEMENTS

- Placed in the **top 5** of 79 B.Tech students of the Mechanical Engineering department with a CGPA of 8.84 by the end of the 6th semester
- Awarded **Dr. Phanindranath Mukherjee Memorial Award** for leadership & excellence in academic & extracurricular activities at IIT KGP
- Honored with **MB Scholarship & Merit cum Means Scholarship** at IIT Kharagpur, recognizing excellence in academics & co-curriculars
- Ranked in **top 0.3%** in JEE Main 2021 and **top 4%** in JEE Advanced 2021 among more than **1 million** candidates conducted by govt. of India

INTERNSHIPS AND PROJECTS

- Business Analyst Intern | JSW Group | JSW ONE Platforms** [May'24 - Jul'24]
• Reduced inactive credit accounts from **43%** to **30%** by addressing their concerns and improving credit usage, boosting customer retention
• Streamlined **payment processing**, integrated automated credit systems, cutting processing time from **48** to **24 hours**, boosting cash flow
• Enhanced credit utilization of **JSW ONE MSME**, increased transactional volumes by **30%**, deployed operational dashboards using **Tableau**
- Fertilizer Subsidy Optimization Model | Bachelor's Thesis | Vinod Gupta School of Management** [Aug'24 - Present]
• Engineered an optimization model for India's urea subsidy using a **bilevel framework** to reduce groundwater pollution & maximize profits
• Applied Kernel Regression to define constraints, integrating yield metrics, purchasing power dynamics, and environmental considerations
• Validated a **potential 20%** reduction in groundwater NO₃⁻ contamination while safeguarding farmer profitability & sustainable agriculture
- Growth & Strategy Intern | Invest India** [Dec'23 - Feb'24]
• Analyzed international methods for carbon credit utilization and identified best practices and successful strategies from various countries
• Recommended actionable suggestions to enhance international carbon credit practices in India, aiming for a **13%** increase in effectiveness
• Engaged with the team at **Bharat Infrastructure Summit 2024** to forge partnerships between **PMG & 100+** industrialists & govt. agencies
- Helpmate-Ride Safe | Self Project** [Jan'23 - May'23]
• Developed a hardware solution - a **smart helmet** with enhanced protection, that is **mandatory** for the bike to start, ensuring rider safety
• Integrated a pulse rate sensor to monitor heart rate & a **Breathalyzer** to measure alcohol level ensuring it remains within the legal limits
- Strategy Consulting Intern | OnCloud9** [Jun'22 - Aug'22]
• Pitched strategic marketing initiatives that showcased our modular, cost-effective cloud services, driving a **17%** increase in customer base
• Collaborated with senior consultants to refine cloud offerings, aligning with the financial and operational needs of emerging startups
• Assessed the emerging industry and screened the top **100** startups focusing on financial constraints as potential clients for the company

POSITIONS OF RESPONSIBILITY

- Undergraduate Department Representative | Department of Mechanical Engineering | IIT Kharagpur** [Jul'24 - Present]
• Represented the voices of **900+** students of the department across all years to the admin, as a **decision maker** in the UG Students' Council
• Coordinated farewell ceremony and photoshoot event for **200+** students, and facilitated departmental introduction for incoming freshers
- General Secretary | Students' Branding and Relations Cell | IIT Kharagpur** [Jun'23 - Jul'24]
• Accredited for raising sponsorship worth **INR 14,00,000**, heading a **3-tier team** of 6 coordinators, 25 student members and 30 associates
• Boosted IIT Kharagpur's QS ranking from **271** to **222**; inaugurated Spotlight, managed Young Innovators' Program with **1400+** registrations
- Events Head | Mekanika | Department of Mechanical Engineering | IIT Kharagpur** [Jun'23 - July'24]
• Managed a budget of **INR 4 Lakhs**, organized the annual farewell event for the graduating batch of 2024 with a turnout of **200+** students
• Authored blogs, planned **7+ workshops & events** highlighting diverse career opportunities & providing valuable insights into the industry
- Design Associate | Students' Alumni Cell | Office of Alumni Affairs and Branding | IIT Kharagpur** [Jan'22 - Aug'22]
• Conceived and carried out the Student Alumni Mentorship Programme (**SAMP**), which saw a **20% YoY** increase in student participation
• Compiled, designed, and published the annual **Institute Yearbook** for over **2700** UG, PG, & PhD recipients graduating in the year of 2022

ENTREPRENEURIAL EXPERIENCES

- Founding Intern | Reducing Carbon footprint | Deep Gupta** [May'23 - Jul'23]
• Coordinated with experts to refine project vision, ensuring robust carbon credit solutions, harnessing insights for enhanced feasibility
• Directed carbon credit validation, spanning **40+** crops across 22 states; guided by **Angel Investors**, & interacted with **10+** Agri-tech **CEOs**
• Identified top **5** crops & best **12** techniques to maximize carbon credit potential, elevating sustainability impact and strategic application

SKILLS AND EXPERTISE

Relevant Coursework: Economics | Probability and Statistics | Entrepreneurship Essentials | Operations Research-1 | Transform Calculus | Partial Differential Equations | Algorithms-1 | Technical Analysis vs Fundamental Analysis | Business Analysis & Process Management
Software and Tools: Tableau | Lucidchart | Figma | Office 365 | Adobe Photoshop | Google Analytics | Jupyter Notebook | VS Code
Programming Languages: SQL | C | Python | HTML | CSS | **Python Libraries:** Numpy | Pandas | SciPy | Seaborn | Matplotlib

EXTRA CURRICULAR ACTIVITIES

- Competitions:** Advanced to 2nd round of **Accenture Strategy Connect Season 3**, ranking among the **top 300** of **8000+** competing teams
Part of the **Gold** winning team for Illumination 2023 held at the Sister Nivedita Hall of Residence with **100+** students
- Social:** Led a **70+** team in NSS to survey **1000+** individuals on COVID-19 vaccine preferences, enhancing welfare & health awareness