



**Aman Kumar**  
UG (III Year II Semester)  
BS-MS (Economics)  
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Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2024	BS 3rd Year	Indian Institute of Technology, Roorkee	8.126
2022	Intermediate (Class XII)	S.A.D.N Convent School	94.00 %
2020	Matriculate (Class X)	Sainik School Chittorgarh	94.80 %

Internships

**Business & Financial Analyst** | Nahar Om Family Office May 2024 - August 2024

- Built **credit risk** models, **IRR** calculator & Term Sheet Generator; enabled investment across **20** structured products.
- Engineered invoice discounting system with **800+ deals** across PO, ESG, media, SaaS, & supply chain finance.
- Crafted **investor decks** for Ethyx & Amara Vens; supported capital raise for secondary trading & redevelopment.

Projects

**Swachhta Hi Seva** | UBA, IITR September 2024 - October 2024

- Directed "SHS" (**Govt. of India**) initiative, **12** CTU sites mobilized **80** workers and local authorities for cleanliness.
- Managed awareness campaigns, **5** school, **250+** student competitions, **500** door-to-door interactions; health camps.

**Life Cycle Assessment of Products Enabling SHG Upliftment** | UBA, IITR September 2023 - November 2023

- Developed and launched **9+** product lines focused on women's empowerment and sustainable practices.
- Established and scaled operations for **4** women-led SHGs, generated **INR 1.6 L** in revenue through **D2C** sales model.
- Secured high-traffic sales channels at major cultural festivals, maximized revenue & community engagement.

**SHG Empowerment through Scalable Health Product Solutions** | UBA, IITR May 2024 - April 2025

- Identified gaps in women hygiene, surveyed needs, devised INR 3L sanitary pad manufacturing venture.
- Executed end-to-end operations, **securing fund -> setting up distribution**, scaled production to 9L pads/month.

**Financial Risk Mitigation: Predictive Analytics Strategy** | Self Project April 2025 - May 2025

- Developed credit risk model (**XGBoost**) 307k dataset, achieving **85%** ROC-AUC score, identifying high-risk applicants.
- Executed EDA, identified key risk indicators from **122** initial variables, engineering **50** new features, deployed SMOTE.
- Translated model outputs into actionable business strategy, delivering a feature importance analysis, credit underwriting.

**Valuation and Investment Analysis of Emerging Indian E-Commerce Players** | Finance Club May 2025 - June 2025

- Analyzed India's e-commerce market via PESTEL & relative valuation to select a high-potential target firm.
- Built 5-year **DCF & relative valuation models**, using WACC, CAPM, & key multiples with sensitivity analysis.
- Formulated a data-driven "Neutral" thesis with a price target, risk assessment & **equity research report**.

**Investigating Factor Intensity Reversal in India's Export and Import Sectors** | IITR August 2024 - November 2024

- Analyzed **Indian trade** patterns, shift to **capital-intensive** production using Heckscher-Ohlin & FIR frameworks.
- Devised **3** policy recommendations to realign production with factor endowments, leverage **FTAs**, and drive growth.

**Enterprise Middleware and API Integration platform** | GC Tech'25 April 2025

- Architected a Python/Flask middleware, creating a REST API standard to unify fragmented ERP data across systems.
- Engineered a secure microservices backend on Python/Flask & PostgreSQL, deploying to the cloud with Fernet encryption.
- Implemented **GenAI** for automated data mapping & developed user dashboard, CSV logging for control & auditability.

**Quant Finance: Strategy Simulator for NIFTY & BANK NIFTY for Kailasa Capital** | GC Tech'25 April 2025

- Architected a **multi-strategy** portfolio in Python; **40%** CAGR, **1.92** Sharpe, outperforming top strategy by 10%.
- Contained max drawdown to -6%, compressed recovery time from 3,948 bars to 54 days through **optimized** allocation.
- Engineered 3 uncorrelated systems **65.6% win** rate, 70% MoM, 5.48 Calmar, **risk-adjusted alpha** via diversification.

Awards / Scholarships / Academic Achievements

- 1st ICICI Case, **General Tech Championship** , IITR; built AI-led ERP compatibility tool with automated API integration.
- 1st place in **Sociothon 3.0 & Ideaz** Economics, Cognizance, IIT Roorkee, outperforming pan-India participants.
- Finalist VrikshaNeeti, GLIM; engineered **ML model** for phishing detection, achieved **97%** accuracy.
- 2nd Place **West-Zone Basketball Championship** , 2019; national-level inter-zonal tournament.
- 1st Place **Volleyball** , HSS Olympia'25.
- Awarded **Merit-cum-Means Scholarship** (top 25%) for academic excellence.

Skills

Minor/Honors Courses CFA Level 1 Aug'25; Management DoMS, IITR

Positions of Responsibility & Extra Curriculars

**Overall Student Coordinator** | Unnat Bharat Abhiyan

January 2023 - November 2025

- Led **120+** member team to deploy rural solutions across **5** villages, impacting farmers, students, and SHG entrepreneurs.
- Spearheaded **20** livelihood initiatives generating **2.5L** revenue, directly benefiting **80 families** via sustainable models.
- Incubated business from **0->1** through research, production, GTM execution; partnered with **Ambuja Foundation**.

**Executive Member** | HEC

July 2023 - April 2024

- Led **200** students on 3 terrain treks, executing routes & logistics with **10** agencies; ensured safety across 100 trek hours.

**Treasurer** | Sangram

August 2024 - November 2024

- Revitalised the Annual Sports Fest of IITR after 5 editions, Supervised the budget of **INR 60L+** with 50 collaborators.
- Managed **end-to-end finances** across 17 sporting events, with **1100 participations** across Indian technical institutes.