

AHAAN SINGH

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Male, 22

EDUCATION

Course	Year	College / School
B.Tech - Mechanical Engineering	2022-2026	Netaji Subhas University of Technology
CBSE (Class XII)	2022	Springdales School Dhaula Kuan, New Delhi
CBSE (Class X)	2020	Springdales School Dhaula Kuan, New Delhi

INTERNSHIP/WORK EXPERIENCE

- PwC (PricewaterhouseCoopers Services LLP) | Data Analyst and Cloud Intern** May'25 - Jul'25
- Built scalable RAG workflows using LangChain and OpenAI APIs, deploying modular pipelines across 4 internal tools and improving average response efficiency by 30%.
 - Led the Nokia Project, a client-facing initiative, where I improved LLM pipeline performance by 40% using LLaMA and Mistral, reducing latency by 20% and increasing response accuracy in production tests.
 - Skills:** Python, Streamlit, SQL, Pandas, NumPy, OpenAI APIs, Generative AI, Cloud Migration, Data Analysis.
- DigiIQ IT Solution Pvt. Ltd | Digital Solutions Analyst** Dec'24 - Feb'25
- Spearheaded the implementation of AI-powered image generation using fine-tuned Stable Diffusion models, resulting in an impressive 80% reduction in the size of the in-house social media team.
 - Developed a comprehensive prompt dataset exceeding 40K entries to enhance the fine-tuned LLaMA model's performance, significantly improving content originality while minimizing instances of plagiarism and collaborated with cross-functional teams to integrate advanced AI techniques
 - Skills:** Large Language Models (LLMs), LLaMA, Stable Diffusion, Python, Automation, Website Audits,. (Link to project: <https://pulsar.digiIQ.ai>)
- Americana Foods | Summer Intern / Junior Developer** May'24 - Aug'24
- Developed an integrated fraud detection system using OpenCV and APIs, identifying and blocking 95% of fraudulent transactions in real-time across 50+ POS endpoints.
 - Engineered algorithms to parse and map transaction data with surveillance, leading to a 30% boost in fraud traceability and reducing review time by 40%.
 - Skills:** OpenCV, APIs, Python, Fraud Detection, Video Surveillance, Computer Vision, System Integration.
- Honda Motorcycle and Scooter India Pvt. Ltd | Summer Trainee** Jun'24 - Jul'24
- Conducted inspection monitoring and time-motion studies on 2 production lines, uncovering inefficiencies that reduced bottling cycle-time deviation by 7%.
 - Partnered with the IT department to optimize digital production tracking, improving real-time reporting accuracy by 15%.
 - Skills:** Production Monitoring, Time & Motion Study, Cycle Time Analysis, Technical Collaboration, System Optimization.

ACADEMIC PROJECTS

- Nalum - NSUT Alumni Portal | Co-Founder and Director** 2023 - Present
- Co-founded the official alumni portal of NSUT and facilitated to its frontend development, resulting in 5,000+ alumni registrations within the first six months (Link to the portal - [Nalum](#)).
 - Led a team of developers, designers, and outreach specialists to implement UI/UX enhancements and improve user engagement by 40%.
 - Executed alumni-focused events, webinars, and outreach campaigns while managing portal operations and community building.
- Research Paper on Fairness in Real Money Online Gaming | Author** Feb'24 - Present
- Co-authored a research paper on fairness in real-money online gaming, leveraging neural networks to develop fairness metrics.
 - The study received guidance from national policy experts and was cited in 3 legal journals and 2 regulatory white papers.
 - Focused on developing ethical AI frameworks applicable to gaming platforms with real-currency stakes.
- Bain & Company | Business Case Analysis - BrAINWARS** Mar'25 - April'25
- Projected 10-year cash flows across Gurugram, Pune, and Chennai for Auto AI acquisition, encompassing ₹3,000 Cr in costs; analysis informed crucial go/no-go decision for investment mandate.
 - Performed NPV analysis, cost sensitivity, and breakeven projections to evaluate a **₹2,500 Cr investment mandate** tied to India's EV policy reforms.
 - Pinpointed operational cost reduction opportunities for EV manufacturing using financial modelling of three locations, presenting findings to senior management and influencing key strategic decisions saving ₹150 crores.
- Ocean Cleaning | United Nations SDG project** 2021- 2022
- Designed a low-cost, mechanical oil separation device using vertically-mounted granite discs on a rotating shaft.
 - Aligned the project with **UN SDG #14** goals and received support under the Atal Innovation framework from **NITI Aayog**.
 - Presented internationally at the 2022 **Global Empathy Summit in Australia**, earning top-10 recognition (Link to the project - [Oil Spill Project](#)).

LEADERSHIP AND POSITIONS OF RESPONSIBILITY

- Moksha-Innovision'25 - NSUT's Flagship Cultural-Technical Fest | Co-Convener** 2024 - Present
- Secured 50+ sponsorship deals, including partnerships with major brands such as Coca-Cola, Myntra, Hero MotoCorp, Vision IAS, Delhi Tourism.
 - Managed the complete financial operations of the fest, overseeing budgeting, fund allocation and vendor payments across 30+ event categories.
 - Scaled sponsorship revenue by 3x, raising Rs.XX,00,000 sponsorship amount through targeted outreach, CRM tracking of 500+ companies, and structured deals aligned with each brand's objectives.
- Resonanaz'24 - Intra College Fest of NSUT | Joint General Secretary** Oct'24 - Nov'24
- Oversaw end-to-end documentation, inter-department coordination, and logistics for the smooth execution of NSUT's official intra-college fest.
 - Led the sponsorship and collaborations team, securing high-value title and co-title sponsors through strategic outreach and negotiation.
 - Onboarded 25+ brand partners and institutional collaborators, significantly boosting visibility and funding support for 20+ cultural events.
- eCell NSUT | General Secretary** 2025 - Present
- Led InnovateX'24, NSUT's 48-hour flagship ideation competition, securing sponsorships from 15+ brands and managing partnerships worth ₹X,00,000+.
 - Mentored 120+ core and associate members to foster entrepreneurial thinking, strategic planning, and high-ownership execution across all verticals.
 - Spearheaded participation in IIT Bombay's National Entrepreneurship Challenge, securing multiple podium finishes and placing in the Top 10 colleges on the national Net Score leaderboard.
- Harvard Project for Asian and International Relations (Harvard University) | International Delegate** Jul'24-Aug'24
- Selected among the top 2-3% of global applicants to attend **Harvard ACONF 2024**, representing India at one of Asia's top international student conferences.
 - Participated in high-level dialogues and interactive workshops with Nobel Laureates, government officials, and global industry leaders.
 - Contributed to team dialogue on public-private partnerships and international development challenges.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Bagged the **3rd position** at '**Bid n Build**' competition amongst **100+** teams all over India at E-Summit 2024 at IIT Bombay.
- Secured a spot in the **top 20** out of **900+** colleges in the National Entrepreneurship Challenge competition'24 at IIT Bombay.
- Selected for **McKinsey Forward Learning Program**, focused on structured problem-solving and professional consulting skills
- Completed Foundation and Advanced Level Certification in **Data Science** from **IIT Madras** with a CGPA of 8.0.
- Won the **Best Institutional Delegation Award** under the AIPPM Committee representing DebSoc (Debating Society) NSUT.
- Received the certification from Virtual Schools Australia for **Oil Spill startup project** in 2022 which was also presented at **NITI Aayog**.
- Ranked among the Top 10 in the **ATL Marathon** for an IoT-based project under the Atal Tinkering Lab initiative.
- Conferred with **10+ academic accolades** for consistently scoring 90% above in all exams for 7 consecutive academic years (2011-2018).

SKILLS

Languages & Frameworks: Python, HTML/CSS, JavaScript, SQL, R, Streamlit, Pandas, NumPy.

Product Management: Stakeholder Management, Product Roadmapping, Feature Prioritization, Agile Methodologies, Sprint Planning.

Technologies & Tools: MySQL, PySpark, PowerBI, Git, Jira, Figma, OpenAI, Gen AI, Cloud Migration, Data Analysis, Microsoft Excel, MS PowerPoint and Canva.

Non-Technical Skills: Sponsorship, Event Management, Leadership, Problem Solving, Entrepreneurship, Marketing, Public Speaking, Debating.