Siddhant Singhai

Third Year Undergraduate
Mathematics and Scientific Computing

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ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI/%
2021 - Present	BS (Mathematics & Scientific Computing)	Indian Institute of Technology Kanpur	7.9/10
2021	CBSE (XII)	Sanskar Public School, Gwalior	90.4%
2019	CBSE (X)	Gwalior Glory High School, Gwalior	96.6%

SCHOLASTIC ACHIEVEMENTS

- Recipient of **Academic Excellence Award** in **2022-23**, given annually to **top 10%** students for exemplary performance
- Secured **All India Rank 1025** in **Joint Entrance Examination Advanced 2021** among the **0.2 million** candidates
- Secured **All India Rank 676** in **Joint Entrance Examination(JEE) Mains 2021** among **1.3 million** candidates
- Secured **State Rank 1** in **National Science Olympiad 2019** conducted by Science Olympiad Foundation, New Delhi

WORK EXPERIENCE

Machine Learning and Python Programming Intern | *Vas Ventures, New Delhi*   ⌂ (*June '23 - Present*)

Objective	• Designed sophisticated stock value prediction models based on Planetary positions in **NASA's JPL DE**
Strategy	• Leveraged **Swiss Ephemeris** to calculate planetary positions and their potential impact on stock values • Crafted a predictive model to attain exceptional precision in forecasting stock values within a specified period
Result	• Consistently delivered accurate forecasts of stock values, reliably identifying growth rates **exceeding 3%**
Additional	• Programmed in-house Python software for automated personalized message delivery across various platforms

Business Analyst Intern | *Mobitra, New Delhi*   ⌁ (*Jul '22 - Aug '22*)

Objective	• Establish real-time insights and optimize business operations through **Tableau, SQL** & **Machine Learning**
Strategy	• Constructed infrastructure for real-time insights into product and business **KPIs** on an Automated dashboard • Fabricated ML models to optimize business operations, including network logistics & customer acquisition
Result	• Achieved enhanced data-driven insights, improved operational efficiency, and optimized business performance

POSITIONS OF RESPONSIBILITY

Assistant Placement Coordinator | Students; Placement Office(SPO), IIT Kanpur   (*Apr '23 - Present*)

*- Previously worked as a **Company Coordinator**, Coordinated with 30+ companies like Microsoft, Rakuten, and Goldman Sachs, orchestrating seamless placements for **1800+ students** during the groundbreaking 2022-23 internship and placement season*

Leadership	• Coordinating internship process of **900+** students & placement process of **1500+** students in a 3-tier team • Spearheading a team of **70+** members responsible for coordinating and facilitating intern & placement drive • Developing corporate liaisons with **60+ corporate firms** to ensure their participation in the Intern Drive
Initiative	• **Invited startups** for recruitment to increase success rate of recruitment drive and enhance startup culture • Managed a database of over **4500+ companies** and established fruitful corporate liaisons with several • Facilitated the highly successful **First Career Fest Samvardhan**, with **15+** companies & **1000+** footfall
Impact	• Enhanced awareness among **1000+** students regarding intern preparation by organizing insightful sessions • Revamped the **DSA** and **SDE** learning roadmap to aid over **1200+** students in their intern preparation • Succeeded admirably in the First Career Fest Samvardhan, obtaining **6** internships and **5** full-time job offers

RESEARCH EXPERIENCE

BoosTexter | Mentor: *Prof. Shankar Prawesh (Department of IME, IITK)*   ⌂ (*Jan '23 - April '23*)

Objective	• Engineered variants of **AdaBoost** algorithms based on Schapire & Singer award-winning **Gödel** publication
Strategy	• Derived **Adaboost.mh** and **Adaboost.mr** algorithms to achieve exceptional classification performance • Implemented & fine-tuned the algorithms, ensuring seamless integration with **Text categorization** pipelines • Leveraged **hyperparameter optimization** techniques on the data to enhance the performance of algorithms
Result	• Model achieved a remarkable **78% accuracy**, the **highest** among all supervised machine learning algorithms

Longitudinal Mirror Modelling | *Course Project MBA 618 — Prof. Veena Bansal*   ⌁ (*May'23 - Jun '23*)

Objective	• Undertake a extensive qualitative survey **targeting professionals** in corporate and administrative services
Strategy	• Analyzed variations between individuals' educational background and their current socio-economic status
Result	• Acquired understanding of mirror modelling for simulated **longitudinal studies** & **qualitative analysis**

EXTRA CURRICULAR

Social work *(Prutor,IITK)*	• Crafted meticulous **study material** and **solution keys** in collaboration with professors from IIT Delhi • Supported underprivileged JEE aspirants in comprehending, mastering complex concepts & excelling in JEE • Organized blanket donation drive in Kanpur, providing warmth to **100+ homeless** residents during winter
Mentorship *(Stamatics,IITK)*	• Guided and Mentored **160+ mentees** in the field of Probability, Statistics & Data Science in Python • Monitored their progress through **Five Assignments** including a contest on Codeforces in python language
Cultural	• Achieved **Rank 2** in Sanskrit Shlok reciting competition & **Rank 3** in Scavenger hunt conducted by MNC • Participated as a delegate of Venezuela in the **Model United Nations** International Security Committee
Sports	• Achieved **State Rank 3** in Fencing and Long-Jump, conducted by Madhya Pradesh Sports Association
Competition	• Qualified for **2nd round** of Mathemania 2022, prestigious mathematics competition with **200+** students