

Bhavy Khatri

Third Year Undergraduate
Dept. of Mathematics and Scientific Computing
Second Major in dept. of Computer Science
Indian Institute of Technology, Kanpur

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EDUCATIONAL QUALIFICATIONS

Year	Degree/Board	Institution	Performance
2020**	Bachelor of Science in Mathematics Second Major: Computer Science	Indian Institute of Technology, Kanpur	9.5*/10
2015	AISSCE(CBSE)	Central Academy School, Alwar	95%
2013	AISSE(CBSE)	Central Academy School, Alwar	10 CGPA

* : at the end of 4 semesters

** : Expected

TECHNICAL SKILLS

- **Languages** – C, C++, Python, HTML, CSS
- **Other Tools** – Stata, MATLAB, LaTeX, MS-Excel

SCHOLASTIC ACHIEVEMENTS

- Selected for **Global Project Based Learning (GPBL) 2017** at **Shibaura Institute of Technology (SIT) Japan**.
- Successfully completed **Summer Undergraduate Research Grant for Excellence (SURGE) 2017-18** weeks internship program-granted by Dean of Resources and Alumni, IIT Kanpur.
- Secured **All India Rank -2548** in **JEE Advanced-2015** among 1,50,000 students.
- Awarded the KVPY fellowship by Government of India (99.92 percentile out of 100,000).
- Secured AIR 19 in Technothalon competition organized by IIT Guwahati .
- Among top 1% students in National Standard Examination in Physics-2014.
- Secured AIR 61 in National Level Science Talent Search Examination (NSTSE) 2015

PROJECTS AND INTERNSHIPS

- **“Dynamic hedging and portfolio weights calculation for clean energy firms.”** *Aug'17-Present*
Mentor: Dr. Wasim Ahmad (Economics), Dr. Sharmishtha Mitra (Mathematics), IIT Kanpur
 - Currently working on the project to see the effect of different dynamic hedging techniques on Clean Energy Firms.
- **SURGE'17: “Social and Religious biases in Indian society”** *May'17-July'17*
Mentor: Dr. Debayan Pakrashi, Dept. of Economic Sciences, IIT Kanpur
 - Analyzed data of **900** women in slum areas to identify effects of interaction among different groups (Religion and Caste) on their social and religious prejudices.
 - Explored various aspects of Regression analysis like logit, probit, heteroskedasticity.
 - Multiple Linear Regression and its estimation using Ordinary Least Square (OLS) has been used to find the association between dependent variable (y) and different independent variables.
 - Results showed that working together with people from different social and religious background changes their perception. In case of both religion and caste it was getting better.
 - Designed Research Poster and project report at the end of internship program.

RELEVANT COURSES

- Probability and Statistics
- Data Structure and Algorithms*
- Applied Stochastic Process*
- Computational Methods in Engineering
- Fundamental of Computing
- Ordinary Differential Equation
- Multivariable Calculus*
- Introduction to Electronics
- Atoms, Molecules and Photons
- Introduction to Economics
- Financial Economics(Audit)
- Macroeconomics*
- Real Analysis
- Complex Analysis*
- Linear Algebra
- Abstract Algebra
- Mathematical Logic

* Pursuing in current semester

POSITION OF RESPONSIBILITY

Executive, Vivekananda Samiti – IIT Kanpur

Apr'16 – present

- Assisted in organising various social activities such weekly meditation drive, Health Camps in nearby Villages.
- Guided underprivileged students about core subjects from time to time.
- Assisted in organising various talks under "Vivekananda Youth Leadership Convention ".