Nalli Bhavita

3rd-year Undergraduate, Indian Institute of Technology Kanpur
Computer Science and Engineering

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ACADEMIC DETAILS

Educational Qualification	Institute/Board	Year	CPI/%
Btech, CSE	Indian Institute of Technology Kanpur	2017-Present	7.5/10.0
XII, CBSE	Pioneer Convent School, Indore	2017	89%
X, CBSE	AECS, Indore	2015	10.0/10.0

SCHOLASTIC ACHIEVEMENTS

- Secured position in top 2% in IIT-JEE (Advanced) 2017 among 2 lakh aspirants
- Kishore Vaigyanik Protsahan Yojana **(KVPY)** IISc Bangalore **Scholar 2017**
- National Talent Search Examination **(NTSE) Scholar 2015** (**state rank 10th** in 1st stage)
- Secured All India Rank **32 in NSTSE** in 2015
- Secured gold and Silver medals in IMO, NSO, IOM, IOS
- Selected among top 40 All Over India in Uber She++ event (2019) and attended the hackathon in Bangalore

INTERNSHIP EXPERIENCE

Chasing Sunshine, Summer of Code('18)   *May'18-Jul'18*
Dept of Computer Science and Engineering, IIT Kanpur
- Worked in a group of 5 to design a **web app,** with the aim of helping individuals to cope with depression and other mental problems. It is designed to help individuals deal with stress, low mood and other depressive symptoms.
- Used **HTML, CSS** for the frontend, **Java** mainly for the backend, **JavaScript(basic)**
- Platform used -: **Microsoft Azure**

ACADEMIC PROJECTS

- **Fault localization using flakiness**   *May'19-Jul'19*
  Prof. Subhajit Roy, CSE, IIT Kanpur
- Experimentally ranked the 25 metrics, calculating suspiciousness scores using a sample of 1000 test-suites with and without assuming the flakiness of failing test cases
- Compared to the metrics using p-values obtained from the Wilcoxon test
- Plotted the results graphically and compared the rankings obtained using with and without flakiness
- **Spectral Graph theory and its application**   *Feb'18-May'18*
  ACA, Dept. of Computer Science and Engineering, IIT Kanpur
- Studied the graph, its properties, basic graph theory, and implemented different graph algorithms in C++

TECHNICAL SKILLS

- **Languages**: C, C++, Python, Haskell, R, Matlab, Markdown, HTML, CSS, JavaScript(basic), Verilog
- **Tools/Software Packages used**: Bash, Awk, Vim, LATEX, Git, Fusion 360, Autocad, Autodesk Inventor, LaTeX
- **Operating Systems used**: Windows, Linux/Unix system

RELEVANT COURSEWORK

Data Structures and Algorithm	Probability & Statistics	Computer Organization
Fundamentals of Computing	Introduction to Logic	Computing Laboratory
Discrete Mathematics	Abstract Algebra	Microeconomics
Operating Systems*	Algorithms - II *	Machine learning*

*Ongoing course

POSITIONS OF RESPONSIBILITY

- **Web Development Secretary, Academic, and Research cell**   *Aug'18-Apr'19*
  Developed, designed the International Relations Cell Website and SRC (Student Research Convention) site.
- **Secretary of International relations cell, Academic and Research cell**   *Apr'18-Apr'19*
  Managing various processes for making students aware of opportunities at foreign educational institutions
- **Company Coordinator, Student Placement Office**   *Aug'18-Apr'19*
  Coordinated the placement, internship tests, and interview processes for many recruiters

EXTRA-CURRICULAR ACTIVITIES

- Volunteered for Academic Mentor of Physics (Kinematics course)
- Winners in VolleyBall and RunnersUp in BasketBall Girls intra-murals'17-18, IIT Kanpur
- Junior executive, Show Management, Techkriti'18
- Junior executive, Hospitality, Udghosh'17
- Participated in Hall-level competitions (Takneek in Robotics, Galaxy in Fine-arts club)
- Represented School in State level Spell-Bee competition, state-level Drawing Competition(received award and consolation prize from Honorable Governor of M.P)
- Volunteered the Siksha Sopan program under Dr.H.C.Verma in Summer'18