Vishant Bhadana

3rd Year Undergraduate
Department of Material Science Engineering

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ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	Performance (CPI/%)
2021 - Present	B.Tech.	Indian Institute of Technology, Kanpur	6.24
2020	Class XII (CBSE)	Sunrise Public School Siyana Bulandshahr	84.4%
2018	Class X (CBSE)	Sunrise Public School Siyana Bulandshahr	90.6%

KEY PROJECTS

Introduction to Machine and Deep Learning *(Stamatics Society, IIT Kanpur)* *(May'23 - Jul'23)*

- Attained basic knowledge of **Data generation, preprocessing,** and **Visualization skills** , using **Matpotlib** and **Pandas**
- Implementation of algorithms for **Supervised** and **Unsupervised Machine Learning** from scratch using **NumPy**
- Gained comprehensive knowledge of **Deep Learning** by implementing **ANN** and **CNN** (from **scratch** using **Tensorflow**)

Under the Hood *(Programming Club, IIT Kanpur)* *(May'22 - Jul'22)*

- Developed Verilog code for logic gates, K-Maps, and Flip-Flops, and designed subtractor circuits for digital signal processing
- Used **GTKWave** to plot signals and acquired an understanding of **Finite State Machines** and five stage instruction cycle
- Worked collaboratively in a team of four to develop a Date Converter program using **MIPS ISA** in QtSpim

Mathematical Tools for Data Science *(Stamatics Society, IIT Kanpur)* *(Apr'22 - Jul'22)*

- Got familiarized with **Python libraries** like NumPy, Pandas, Matplotlib, plotted interactive plots for various datasets
- Utilized these tools to analyse data in practical settings, including **salary analysis** for firm employees
- Leveraged advanced techniques to inform **equitable compensation decisions** and drive impactful outcomes

Built portfolio website *(Self Project)* *(Jun'23 - Jul'23)*

- Developed my own personal website for my professional portfolio, utilizing **HTML5**, **Cascading style sheet**, and **JavaScript**
- Organized the website by separating it into many sections, such as "about me," "skills," "what I do," and "contact information"
- Prioritized user experience, ensuring the website is **responsive** and **optimized** for different devices and screen sizes

Amazon Website Clone: Demonstrating Proficiency in Front-End Development *(Self Project)* *(Jun'23 - Jul'23)*

- Developed a responsive and compatible Amazon web clone, emphasizing front-end development with **HTML5** and **CSS**
- Prioritized responsive design for optimal user experience across all devices, implementing fluid adaptability and intuitive interface
- Paid meticulous attention to detail while employing CSS styling techniques to precisely replicate key features and components, assuring a faithful representation of the original Amazon design with high fidelity and precision

Technical Skills

- **Programming languages :** C, C++ , Python , HTML, CSS, Java Script
- **Libraries:** Numpy, Pandas, Matplotlib, Tensorflow
- **Utilities:** Git, GitHub, LaTeX, Visual Studio, Jupyter, MS Excel

RELEVANT COURSES

Fundamentals of Computing	Partial Differential Equation	Introduction to Economics
Introduction to Electronics	Quantam Physics	Mechanics of Solids
Nature and properties of materials	Rate Processes	Thermodynamics

POSITIONS OF RESPONSIBILITY

Sports secretary, Games and sports Council *(Jun'22 - April'23)*

Highlights	• Mentored **30+** freshmen in squash for premier events, assisting them in playing and enhancing their abilities. • Successfully organized over **20** squash matches in flagship events **Fresher's Inferno and Inferno 2022** • Served as a **match referee** for Kabaddi matches in **Inferno'22**, ensuring fair play and officiating duties

Seceratary, Adventure Sports Club *(Jun'22 - April'23)*

Highlights	• Managed Club's social media, executed campaigns boosting online visibility and attracted new members • Designed trek plans, secured sponsers, and organized grand running and walking events with **500+** participants

EXTRA-CURRICULAR ACTIVITIES

- Participated in **Udghosh'22**, an annual sporting event, as a representative of Institute Kabaddi Team
- Headed the Kabaddi Team during **Inferno'22**, an inter-hall sports event, achieving an impressive **third** position
- Contributed to powerlifting event management in **Inferno'22**, ensuring smooth operations and successful execution.
- Participated in **Pedal for Greener Future**, securing **20th** place among **100+** participants by riding **116km** in less than 3 days.