Jaya Dangolia

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Education

- Bachelor of Technology (B.Tech), Material Science and Engineering (**CGPA: 7.2/10**)
  Indian Institute of Technology , New Delhi 2023 – 2027
- Senior Secondary (XII), Science (**CGPA: 9.64/10**)
  The Oxford Hr. Sec School (MPBSE board)
  Year of completion: 2021
- Secondary (X) (**CGPA: 9.74/10**)
  The Oxford Hr. Sec School (MPBSE board)
  Year of completion: 2019

Academic Projects:

- **Smart Terrarium with Automated Watering: Guide- Prof. Sagar Sarkar**
  Developed an Arduino-controlled terrarium system equipped with sensors to monitor environmental parameters like humidity and temperature. Designed and programmed an automatic water sprinkler mechanism to maintain optimal conditions for plants, ensuring hands-free care and consistent hydration.

- **555 Timer IC-Based Voltage Regulator: Guide- Prof. Bhaskar Mitra**
  Designed an Electronic Voltage Regulator Circuit using a 555 Timer IC to precisely control motor speed through dynamic voltage adjustments. Also performed extensive testing and analysis to ensure optimal circuit performance across varying conditions.

- **Computational Analysis - Python Based Vending Machine: Guide- Prof. Kumar Madhukar**
  Developed a Python-based vending machine program, integrating advanced arithmetic operations and Boolean logic. Also applied Object-Oriented Programming (OOP) principles to improve functionality and code maintainability.

Extracurricular Achievements:

- **Case Competition: Accenture**
  Competed in a high-stakes case competition organized by Accenture, showcasing analytical and problem-solving skills. Designed and presented **innovative solutions** to complex, **real-world business challenges**, demonstrating creativity and **strategic thinking**.
- **Inter-Hostel Group Dance Competition: Board for Recreational and Cultural Activities**
  Won first place in the Inter-Hostel Group Dance Competition, showcasing creativity and teamwork under the Board for Recreational and Cultural Activities, IIT Delhi.
- **General Championship IIT Delhi: Board for Sports Activities**
  Secured 1st position in Javelin Throw, High Jump, Shotput, Relay Race at the General Championship, organized by the Board for Sports Activities (BSA) IIT Delhi.

Positions of Responsibility:

- **Head Coordinator, Rendezvous 2024 – Asia's Largest Cultural Fest:**
  Spearheaded a 12-member team for the management of IIT Delhi's Cultural "Rendezvous", attracting an average footfall of 160,000. Exhibited leadership, problem-solving, and communication skills to ensure seamless execution of events and activities across North India's premier cultural extravaganza.
- **Activity Head, Rendezvous 2023 – Asia's Largest Cultural Fest**:
  Led a 5-member team to ensure smooth operations and exceptional guest experiences. Managed logistics and coordinated with stakeholders to facilitate the successful execution of IIT Delhi's premier cultural event and provide the best possible hospitality experience to the guests.
- **Athletic Team Captain**:
  Led and motivated the institute's athletic team in inter-college competitions, fostering teamwork and sportsmanship. Strategized training schedules, coordinated with coaches, and ensured optimal performance during events. Represented IIT Delhi in high-stakes athletics meets, achieving team milestones and personal accolades.

Skills:

- Python
- Autodesk Inventor
- FreeCAD
- MS Excel
- Adobe Lightroom
- Canva
- Video Editing
- Content Writing & Creation