Payal Choudhary

190110061
Second Year Undergraduate

EDUCATION

- **Indian Institute of Technology, Bombay** — *CPI: xx.xx/10*, *2019-2023*
  B Tech., Material Science and Metallurgical Engineering 2019 – 2023
- **Ashok Hall Girls' Higher Secondary School, Kolkata** — *93.4%*, *2019*
  Intermediate/+2, CBSE
- **St.Xavier's School, Jharkhand** — *95.6%*, *2017*
  Matriculation, ICSE

POSITIONS OF RESPONSIBILITY

- **Moderator,TSS Learners' Space, Web Development** *[Summer 2020]*
  Undergraduate Academic Council

  - Prepared **Tutorials and Assignments** on **HTML,CSS, Bootstrap,JavaScript** and **Django**
  - Mentored **300+** students, evaluated submissions, initiated discussions and solved doubts.

- **Convener — Web and Coding Club** *[Apr'20-Present]*
  Institute Technical Council

  - Part of a **10-Member council** responsible for coordinating events of one of the **largest programming clubs in India** aimed at inspiring students to take up programming to instil a hobbyist programming culture in the institute
  - Contributed towards **developing** and maintaining the **WIKI** of WnCC by writing articles on **Android Studio, MySQL**
  - Actively volunteered to make resources for **Code in Quarantine** and **Algos-Simplified**

KEY PROJECTS

- **InFi-Interest Finder** *[Summer 2020]*
  Institute Technical Summer Project,IIT Bombay

  - Developed an**Android Application** which connects people based on **interests and hobbies**
  - Designed an **Algorithm** which suggests people based on common interest, distance and activity
  - Used **Firebase** for **Authentication,Real Time Database** and **Cloud Storage**

- **Meshmerize** *[December 2019]*
  TechFest,IIT Bombay

  - Represented **IIT Bombay** in TechFest, Asia's largest Technical Festival.
  - Engineered a bot with **5 IR sensors** capable of **tracing** white lines and **memorizing** any curved path whilst make decisions using **PID.**

- **Obstacle Manoeuvring Bot** *[August 2019]*
  Electronics and Robotics Club, IIT Bombay

  - Designed and built Bluetooth controlled **(HC-05)** robotic car with differential mechanism for turning.
  - Used **IC7805** as a voltage regulator, **L293D** as the motor driver and H-Bridge.

- **Trident Services** *[Summer 2020]*
  Hostel-15,IIT Bombay

  - Developed an**Android Application** aimed at **digitizing** the laundry services of the hostel
  - Used **SSO** for **Authentication** and **Firebase** for **Real Time Database**

TECHNICAL SKILLS

Programming	C,C++, Java, Python,Ruby,HTML,CSS,JavaScript
Development	Android Studio,Flutter,MYSQL,FireBase.
Software/Tools	Git, LaTeX, SolidWorks, AutoCAD, ArduinoIDE

COURSES UNDERTAKEN

Calculus
Quantum Physics
Linear Algebra
Biology
Differential Equations
Basics of Electricity and Magnetism
Physical Chemistry
Organic and Inorganic Chemistry
Introduction to Computer Programming
Materials and Technology

EXTRA CURRICULARS

- Awarded the **Student of The Year** Scholarship at St.Xaviers's School, Sahibganj for the Academic Year 2017-2018.
- Honoured with the title of **Miss Boffin** at Ashok Hall Girls' Higher Secondary School for exemplary activities in the field of Chemistry.
- Participated in **Pluto-X Hackathon**, coded for a **Surface-Following** drone.
- Received a **Special Mention** in the field of Social Service by **NSS, IIT Bombay** for helping the under privileged children explore the wonders of science via experiments.
- Served as an **Orgainzer** in **Mood Indigo,TechFest** and **TheatreFest**
- Made an **MIT Scratch** App in **Scratch Day** organized by Web and Coding, IITB.
- Awarded by the **Government of Jharkhand** for innovative ideas in the field of **Wipe Out Poverty**