



Atishay Jain
Electrical Engineering
Indian Institute of Technology Bombay

200070011
B.Tech.
Gender: Male
DOB: 2/13/2003

Examination	University	Institute	Year
Graduation	IIT Bombay	IIT Bombay	2024

Pursuing a minor in **Computer Science and Engineering**

SCHOLASTIC ACHIEVEMENTS

- Awarded **AA** grade in **MA109**: Calculus I(2020) and in **MA111**: Calculus II(2020) for exceptional performance in the courses [20-'21]
- Secured an **All India Rank of 916** out of 0.15 million candidates in **JEE Advanced** Examination [2020]
- Achieved a percentile of **99.43** in **JEE-MAIN** Examination amongst 1.2 million aspirants nationwide [2020]
- School **TOPPER with 95.4%** in 12th CBSE in school Angels Abode Public School. [2020]
- Received a **silver medal** in **Allen Career Institute** for great academic performance in the year 2018-19. [2019]

INTERNSHIP

YOSHOPS | *Data Science Intern*

[May'22-July'22]

Yoshops idea is to create India's most reliable price E-commerce ecosystem

- Gained insights of Data Science by analyzing the real data of yoshops to get the hidden insights and then applied the various algorithms to create a **machine learning model**.

TECHNICAL PROJECTS

Performance and Volatility of Crypto assets

[Jun'22-Present]

FinSearch | Finance club, IIT Bombay

- Investigated various factors that drive the uncertainty in the market and the volatility around various crypto assets
- Marked the market setup around SOLANA cryptocurrency and developed a deep understanding regarding the same.

IITB - RISC

[Spring 2022]

Prof. Virendra Singh | Electrical Engineering Department, IIT Bombay | Course Project

- Designed an 8-register, 16-bit RISC microprocessor with 17-instructions by implementing a **FSM model**, in VHDL
- Developed** the datapath and optimized **flowcharts** for minimum no. of states for single and multicycle models
- Simulated** the designed **microprocessor models** on Cyclone-IVE FPGA, implemented on Quartus

Deoldify Videos

[May'22-Present]

Summer of Code | Web and Coding Club, IIT Bombay

- Trained a **GAN** to convert black and white videos to SOTA coloured videos.
- Finding a good **open source dataset** for the project, aggregation and cleaning dataset and trained the chosen model for the purpose .
- Will create a **web page** for the project with the model in backend to serve the need of an average user.

Tap code generator | IIT Bombay

[Spring '22]

Microprocessors Course Project | Prof Saravanan Vijayakumaran | EE337

- Programmed the 8051 Microcontroller using Embedded C language to generate Tap Code tones
- Coded the Atmel AT89C51 Micro-controller using Keil μ Vision and Flip softwares to solve the complex problems facing embedded software developers.
- Made the tone generator interactive using a UART module and demonstrated its working on different keyboard characters via a 16x2 LCD Display and a speaker

Invisibility Cloak

[Autumn '22]

Electronics and Robotics Club | IIT Bombay

- Implemented the Invisibility Cloak by extracting static background frame and masking using OpenCV
- explored key concepts of image processing using opencv with python.

Spanning Tree Protocol | IIT Bombay

[Autumn '21]

Computer Networks Course Project | Prof. Varsha Apte | CS224

- Devised an algorithm to implement spanning tree protocol in C++ to prevent looping in the network
- Built a LAN-bridge topology to simulate a physical network with up to 26 LAN ports using OOPs
- Created a packet-tracer for debugging, tracing, and analysing packet transfers in real-time

TECHNICAL SKILLS

Programming Languages : C++, Python, VHDL, Assembly, JavaScript, TypeScript, LATEX, VHDL, HTML, Java .

Web Technologies: JavaScript , JQuery , ReactJS , NodeJS , NPM , EJS , Express , HTML5 , CSS , BootStrap .

Softwares : KEIL ,GITHUB , ANACONDA , Codeblocks, MATLAB, AutoCAD, Quartus, NGspice.

POSITIONS OF RESPONSIBILITY

Media and Publicity Coordinator | Mood Indigo, IIT BOMBAY

[Jul'21-May'22]

Asia's Largest College Cultural Festival | 1,00,000+ viewership | 3+ hours viewing time

- Ideating for official aftermovie and negotiating deals with **10+** media houses to ensure complete event coverage
- Ideating media campaigns on Mood Indigo's official pages (306k+ likes on Facebook and 71k+ followers on Instagram)

Coordinator | Abhyuday, IIT BOMBAY

[Jul'21-May'22]

Social Body of IIT BOMBAY | 25,000 footfall | 600+ campaigns till date | 5+ Nationwide Competitions

- Coordinated a Pan India Campaign named 'Sangharsh-Conquering Covid' in collaboration with UNICEF India combating the struggle against COVID-19 with 2M+ reach campaign
- Targeted 2000+ underprivileged students of 80+ schools under CCC (Career Counselling Campaign)

COURSES UNDERTAKEN

Electrical	Electronic Devices & Circuits, Microprocessor & Microprocessor Lab, Analog Circuits & Analog Lab, Control System, Digital Systems, Digital Circuits Lab, Signals & Systems, Probability and Random Processes & Power Electronics
Computer Science	Computer Programming and Utilisation, Operating Systems & Computer Networks
Physics	Quantum Theory and its applications & Basics of Electricity
Mathematics	Calculus, Linear Algebra, Differential Equation & Complex Analysis
Others	Molecular Biology, Engineering Drawing, Organic and Inorganic Chemistry, Economics

EXTRACURRICULAR ACTIVITIES

- Learnt specific skills related to personality development through the **NSO dramatics** course [Dec'20- Jun'21]
- Successfully completed a Himalayan trek to **Bhrigu Lake** at 14,000 ft altitude [Aug'21]
- **Led** a sub-zero temp. winter trek to **Kedarkantha peak** at 12,500 ft altitude. [Dec'21]
- **PREFECT** for three consecutive years in Pushpa English Medium School. ['16-'18]
- **Won** first prize as a lead role for Hostel 6 among 11 participating Hostels in music GC at IIT BOMBAY. [March22]