Spandan Sachin Anaokar | **210260055**
Engineering Physics | **B.Tech.**
Indian Institute of Technology Bombay | **Gender: Male**
DOB: 10/06/2003

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2025	9.09

Pursuing a **Minor Degree** in **Computer Science and Engineering**

Scholastic Achievements

- Currently holding **Department Rank** of **7** in the Engineering Physics batch 2025 consisting of 64 students *(2023)*
- Secured **All India Rank 646** in **JEE-Advanced** out of nearly 150,000 candidates all over India *(2021)*
- Secured **99.81% Percentile** in **JEE-Mains** with a **100% Percentile** in Maths out of nearly 1 million candidates *(2021)*
- Secured **All India Rank 306** in 11^{th} and **305** in 12^{th} in **KVPY** and was thus awarded a fellowship *(2020, 21)*
- Secured **AIR 14** in the **Aptitude Test** conducted by the Indian Institute of Scientific Education and Research *(2021)*

Technical Projects

Data Structure and Algorithm & CP *(Summer 2022)*
Seasons of Coding, WnCC

- Explored the various **Data Structures** and the related **Algorithms**, including but not limited to Hashing, Stack, Queue, Dequeue, Tree, Graph, Greedy Algorithm, Backtracking, Dynamic Programming, Trie, and Disjoint Sets
- Solved **200+** algorithm problems given on **GeeksForGeeks** & **CSES** and wrote solution codes using C++ and Python

Year of Security *(January 2022 - December 2022)*
Cyber Security Community

- Studied the topics involved in the field of Cyber Security starting with **Cryptography** and concepts such as **Forensics** (basics, steganography, network, and images), **Web Exploitation**, **Reverse Engineering**, and **Binary Exploitation**
- Solved Assignments in **Linux** which involved writing bash scripts for automating unzipping a large number of nested zips, using to search for hidden links on multiple webpages, and modifying environment variables to get the flag in CTF

Automating Nano-Optical Measurement *(July 2022 - Present)*
Supervised Learning Project | Guide: Prof. Anshuman Kumar

- **Engineering** an algorithm that communicates with multiple instruments to **synchronise** the process of change of experimental conditions and input processes that will completely **automatize** complicated experimental procedures

Winter in Data Science *(December 2022 - Present)*
Analytics Club

- Completed a fortnight long **bootcamp** learning the basic concepts of **Data Science** like Exploratory Data Analysis, Supervised Learning Algorithms, Natural Language Processing, Predictive and Prescriptive Analysis, and Neural Networks

Data Analysis of P-P collisions (Course Project) *(October 2022 - December 2022)*
Data Analysis and Interpretation | Guide: Prof. Sadhana Dash

- Worked on **2 million** datasets consisting of data of proton-proton collisions and **informationally analyzed** them
- **Classified** the datasets depending on conditions of each collision and plotted graphs using software **ROOT**

Technical Skills

Programming & Package	Python, C++, C, HTML, R, QBasic, Numpy, Pandas, Matplotlib, SciPy
Softwares and Tools	Git, AutoCad, LaTeX, Jupyter, LT Spice, ThorSpectra, VS Code

Extracurricular Activities

- Awarded a **silver medal** twice in 6^{th} and 9^{th} in Homi Bhabha Young Scientist Exam conducted all over Maharashtra in 6^{th} and 9^{th} Class *(2015, 2018)*
- Awarded a **gold medal twice** in Mathematics Prodigy exam held in 5^{th} and 8^{th} all over **Maharashtra** *(2014, 2017)*
- Played and won **3^{rd} place** in inter-school Chess Competition in Mumbai after practising **Chess** for years *(2009)*
- Participated in **CodeWars** – India's First Bot Programming Contest and developed a bot that could collect elixir and virus and, use them to destroy the enemy thus involving use of creative algorithms to beat the opponent bot *(2021)*