Tezan Sahu
Mechanical Engineering
Indian Institute of Technology, Bombay

170100035
B.Tech
Male
DoB: 19/12/1998

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	9.75
Intermediate/+2	CBSE	Jaipuriar School	2017	96.2%
Matriculation	ICSE	St. Mary's ICSE School	2015	99.2%

SCHOLASTIC ACHIEVEMENTS

- **Ranked 1** among 150 B.Tech students of the **Mechanical Engineering Department** [2018]
- Currently pursuing a **Minor** in **Computer Science and Engineering** Department, IIT Bombay
- Secured **All India Rank 514** among 0.22 million aspirants in **IIT-JEE(Advanced)** [2017]
- Secured **99.94 percentile** amongst 1.18 million candidates in **IIT-JEE(Main)** [2017]
- Among the national **top 1%** in the **National Standard Examination in Chemistry** [2017]
- Among the national **top 1%** in the **National Standard Examination in Astronomy** [2017]
- Among the statewise **top 1%** in the **National Standard Examination in Physics** [2017]
- Secured **All India Rank 1** among 0.16 million students in the **ICSE Board Examinations** [2015]
- Consistently in the **top 1%** in **National Cyber Olympiad** by Science Olympiad Foundation [2009 - 2017]

TECHNICAL PROJECTS

Decentralized Application for Land Registration *[Aug 2018]*
ETHIndia Hackathon

- Part of a 3 membered team that developed a **DApp** using the **APIs of Lendroid** for **land registration** and **tokenization of land**, so as to be used as a collateral while borrowing/lending cryptocurrency
- **Deployed 4 smart contracts** on Ethereum's Kovan Testnet to demonstrate the Proof of Concept
- Awarded the **Top Hack Prize by Lendroid** amongst **400 hackers** who participated in the event

Attendance System Using Face Recognition *[May - Jul 2018]*
Institute Technical Summer Project *Institute Technical Council, IIT Bombay*

- **Led a team of 4 members** to construct an Attendance Recording Bot that could use **face recognition**
- Developed **2 Android apps**, one for attendance checking and another for bot control using bluetooth
- Deployed a database on a server for storing the information about students and professors using **Django**
- Achieved a staggering **accuracy** of around **95%** on the faces of **200 students**

Reading Project On "Machine Learning" *[May - Jul 2018]*
Summer of Science *Mathematics and Physics Club , IIT Bombay*

- Completed the **Machine Learning Specialization** course offered by the **University of Washington**
- Studied **5 research papers** and took other courses on Machine Learning and Deep Learning Algorithms
- Mastered working with modules such as **GraphLab Create**, **TensorFlow** and **Scikit-Learn**

Competitive Coding *[May - Jul 2018]*
Seasons of Code *The Web and Coding Club, IIT Bombay*

- Practiced coding involving **basic and intermediate data structures** like Stacks, Queues, Linked Lists, Binary Search Trees, Hash Tables, Tries, Disjoint Set Unions and Segment Trees using **C++**
- Implemented different **searching/sorting** algorithms, **Greedy** Algorithms and **Dynamic Programming**
- Explored basic Graph Theory including BFS/DFS, Minimum Spanning Trees and Dijkstra's Algorithm
- Participated in several **coding contests** held across platforms like **Codeforces, Hackerrank and SPOJ**

Remote Controlled (RC) Car for XLR8 *[Aug - Sept 2017]*
Electronics and Robotics Club, IIT Bombay

- Built a **manually controlled car** capable of negotiating **8 different obstacles** on the designated track
- Implemented the **rocker mechanism** successfully for the car to ascend slopes greater than **40 degrees**

TECHNICAL SKILLS

Programming	C/C++, Python, Java
Development	**Django**, TensorFlow, Graphlab Create, **Solidity**, SQL, **Android**, HTML, CSS3
Software/Tools	**Git**, MATLAB, Octave, **Truffle**, LaTeX , **AutoCAD**, **SolidWorks**, Adobe Photoshop, Adobe Premiere Pro, Arduino, Amazon Web Services (AWS)

CERTIFICATIONS

- **Introduction to Blockchain and Bitcoin** by *Blockchain Semantics* *[Jul 2018]*
- **Machine Learning Specialization** by *University of Washington* and *Coursera* *[May 2018]*
- **Certified Marketing Analytics Practitioner** by *Henry Harvin Education* *[Apr 2018]*

POSITIONS OF RESPONSIBILITY

Class Representative, Department of Mechanical Engineering, IIT Bombay *[Aug 2018 - Present]*

- Played an active role in scheduling lectures, labs and examinations during the semesters and conveying the opinions of peers effectively to professors and department council members
- Conducted site visits, talks by alumni, cultural events and other such activities for the department

Convener, The Web & Coding Club, IIT Bombay *[Apr 2018 - Present]*

- Worked in a **team of 22** students to **promote coding culture** through hackathons, lectures, bootcamps and competitions, catering to around **2000-3000 students** on campus
- Organized and spoke at sessions on Web Scraping, Version Control, Open Source and Blockchains
- **Initiated** the inception of the **Blockchain Club**, aimed towards understanding and adoption of the blockchain technology and develop a core community to contribute to the Blockchain ecosystem

Marketing Coordinator, The Entrepreneurship Cell, IIT Bombay *[Mar 2018 - Present]*

- **Mentored 20 freshmen** in case study solving, BMC filling and pitch deck making during EnB Buzz
- Raised in-kind sponsorship worth **INR 0.05 M** from reputable technology companies

Events Organizer, Techfest, IIT Bombay *[Nov 2017 - Jan 2018]*

- Handled the **console** and **virtual betting platform** for **International Robowars**, having a **20,000+ audience** over 2 days
- Oversaw the **travel and stay** of **3 foreign teams** that had come to participate in the event

School Head, St. Mary's ICSE School *[Feb 2014 - Jan 2015]*

- **Headed** a council of **20 students**, responsible for the effective management of the discipline in the school
- Represented and **brought accolades** to the school in **several inter-school events** during the tenure
- Coordinated and organized **15** intra-school quizzes and cultural events

COURSE UNDERTAKEN

Computer Science	*__Introduction to Machine Learning__, Computer Programming and Utilization
Core Courses	*__Solid Mechanics__, *__Fluid Mechanics__, *Thermodynamics, Engineering Mechanics, Engineering Graphics and Drawing, Mechanical Workshop
Miscellaneous	*__Engineering Metallurgy__, *Economics, *Introduction to Electrical & Electronics Circuits, Calculus, Linear Algebra, Quantum Mechanics

to be completed by Nov 2018

EXTRA CURRICULARS

- Successfully completed one year of **Squash** under **National Sports Organization** (NSO) *[2017 - 2018]*
- Navi Mumbai **City Winners** of **Vodafone's Faster Smarter Better Challenge** *[2012 & 2014]*
- Conducted **3 solo painting exhibitions** featuring 101, 135 and 68 paintings respectively *[2008, 2012 & 2016]*
- **Winner** of several **Inter-School and Intra-School quizzes** throughout the school career *[2009 - 2015]*
- **Completed 4th Year** in **Hindustani Classical Vocals** *[2013]*
- Secured **International Best Prize** at the **Japan International Painting Competition** organized by **UNICEF** *[2014]*