	Punit Nimish Madia		190100096
	Mechanical Engineering		**B.Tech.**
	Indian Institute of Technology, Bombay		**Gender: Male**
			DOB: 28-02-2002

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	⬛

Pursuing dual minor degrees in **Computer Science and Engineering** and **AI and Data Science**

Scholastic Achievements

○ Secured All India Rank **778** in JEE Advanced 2019 examination out of **0.2 million** candidates   *['19]*
○ Achieved **99.8** percentile in JEE Mains 2019 examination among **1.2 million** candidates   *['19]*

Professional Experience

Technology Commercialization and Marketing Expert   *[Jun' 21 - Jul' 21]*
Dass Scientific Research Labs Pvt. Ltd.
○ Modulated **marketing brochures**, authored **website content** and designed **email sequences**
○ Performed Pilot Testing of Contract Bridge Game Application and detected bugs during gameplay
○ Organized the content to capture the target audience and hosted Bridge game tournaments

Research Intern | Project Foshan | *vCreaTek Consulting Services Pvt. Ltd*   *[Dec' 20 - Jan' 21]*
○ Worked on Ethereum Blockchain using Geth, Ganache and Truffle and integrated with mobile app
○ Developed a mobile app and implemented authorization mechanism in Flutter using Android Studio

Positions Of Resposibility

Marketing Manager | *Radiance, IIT Bombay*   *[Jun' 21 - Present]*
India's largest Annual Research and Technical Festival for Mechanical Engineering
○ Leading and training a two-tier team of **15+** assistant managers to pursue corporate sponsorship
○ Targeting Sponsorship of **INR 1 million** through **CSRs** for Indian engineering innovation initiatives
○ Implementing customized strategies for **Brand Marketing**, parenting with **NGOs** for social campaigns
○ Responsible for all financial affairs pertaining to the fest and optimizing cross portfolio expenses

Teaching Assistant | *Prof. CV Tomy* | *Quantum Physics*   *[Nov' 20 - Mar' 21]*
○ Conducted problem solving sessions for a batch of **40** students, for better understanding of course material
○ Evaluated students' performance and collaborated with the instructor for better teaching strategies
○ Focused on academically weaker students, solved their doubts in order to boost their performance

Department Web Secretary | *Mechanical Engineering Department, IIT Bombay*   *[Jul' 20 - May' 21]*
○ Responsible for Management of the website for Mechanical Engineering Department of IIT Bombay
○ Improved the design and architecture of the department website using **Drupal**, **CSS**, and **HTML**

Technical Projects

Numerical Analysis of JT Cooler | *Summer Undergraduate Research Project*   *[Jun' 21 - Present]*
Prof. Sandip Kumar Saha | *Department of Mechanical Engineering, IIT Bombay*
○ Analysing the **JT cooler** using dynamic updating of the thermo-physical properties of the working fluid
○ Learning and understanding the application of thermodynamics and heat transfer to real life problems

Trading of Currencies and Commodities in Stock Market | *Finance Club, IITB*   *[Jun' 21 - Jul' 21]*
○ Compared Forex Market vs Stock Market and analysed how investors have access to both the markets
○ Understood the link between Iron Ore prices and AUD/USD exchange rate and economics affecting them

Image Compression Techniques | *Prof. Biplab Banerjee* | *Course Project*   *[Jan' 21 - May' 21]*
○ Implemented K-Means, PCA technique and high-fidelity-generative-compression Deep Learning Model
○ Used **60** points for K-Means and **150** components for PCA with PSNR values of **20** and **24** respectively

Extra Curriculars

Technical	○ Completed 7-week long Front-End Web Development Bootcamp in **Learners' Space** ○ Fabricated Bluetooth controlled bot and secured **9th** position amongst **200+** teams
Sports	○ Completed a year-long training in **Basketball** under **National Sports Organisation**
Mentorship	○ Guided a student for broad topic of **Nanomaterials** throughout their SoS Project ○ Mentored a freshmen team of **4** students for Project based on **Image Processing**
Social	○ Organised free health check-ups to raise awareness on Osteoporosis	**10K+ people**