



Amogha pote
Civil Engineering
Indian Institute of Technology Bombay

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B.Tech.
Gender: Female
DOB: 11/01/2002

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

PROFESSIONAL EXPERIENCE

Schneider Electric Pvt Ltd. | Electric Vehicle Supply Equipment Intern (Jun'23-Jul'23)

French Multinational that specializes in digital automation and energy management valued at **€34.2B**

- Applied **2 IS standards** to conduct a comprehensive evaluation for an EV charger based on **5+** key parameters
- Studied **contactor** functionality and optimized the **overload relay** performance for optimal power supply control
- Explored **14+** electrical protections of **DOL starters** & **pump controllers** for firefighting and booster pumps

Indian Oil Cooperation Ltd. | Computer Network Intern (Dec'22-Jan'23)

Indian Multinational Oil and Gas company valued at **US \$1.2B**

- Identified the **10+** network challenges due to outdated **2+** legacy systems employed at IOCL's Akola Depot
- Implementation of **CISCO 5506-X firewall** to provide advanced threat protection against **9+** malware attacks
- Employed **zero trust architecture** in Authentication Management while leveraging **5G's network slicing** for **15%** heightened security and uninterrupted connectivity, effectively safeguarding sensitive data in hand

Xpressbees | Strategy & Data Analytics Intern (Jul'23- Ongoing)

India's Fastest Growing B2B, B2C, Cross Border, 3PL Logistic Service Provider valued at **US \$1.1B**

- Compiled a detailed Non-Delivery Report (**NDR**) and analysed **6+** parameters responsible for increase in RTO %
- Suggested models for systematic volume allocation and vehicle utilisation to maintain the **FAD** at a steady **82 %**
- Explored the efficacy of bag-in and bag-out scans to see how effective RFID has been in the supply chain domain

POSITION OF RESPONSIBILITY

Editorial Board Member | Insight, Official Student Media Body, IIT Bombay (Apr'23-Present)

Part of **18 member team** of editors responsible for covering long-standing issues of importance to institute populace

- Creating content read by **10k+** students with a readership of **0.4 million**, guiding **200+** student journalists
- Spearheaded a **special edition** on **Sex Education** to analyse sexual health and awareness of student populace
- Part of **3-membered team** for "**The Sting**", an Institute specific satirical instagram series with a **10k+** reach

Organizing Committee | 14th IIT Bombay National Debate (Oct'22)

Largest University Debate Tournament in Asia with **800+** participants over **20+** countries | Budget: **INR 1.2 M**

- Part of a **3-tier team** of **30 members** to organize a parliamentary debate championship with top teams worldwide
- Executed smooth registrations of over **120** national and international teams comprising of world champions

RESEARCH PROJECTS

Charge Injection Mechanism in Semiconductor Memory Devices (Ongoing)

Research Project | Prof. Sandip Mondal (Summer Undergraduate Research Program '23)

- Explored charge injection mechanism in **2 nonvolatile flash memories** devices using an **HSCV** system
- Detailed study of the **Micron's 3D NAND Flash Memory** to examine the faults in the transistors in each bit
- Configured the **FTDI2232H** and sent commands accordingly to access decreased functionality of the flash memory

EXTRA-CURRICULARS

Debating	<ul style="list-style-type: none">Pre-Semi Finalist (novice) at 6th GLC Debate tournament against 120+ top debatersSemi-Finalist at English Debate GC, IIT Bombay out of 30+ established teams presentRepresented IIT Bombay in prestigious national-level parliamentary debate tournaments like IIM Indore DT, RVDt, 7th GLC Debate, Alfaaz Open, Dilliman Open, and CUPD
Social	<ul style="list-style-type: none">Devoted 80+ hours to Education Outreach program of National Service Scheme, IIT BombayWorked as a volunteer for Vidya, teaching subjects like science and English to 100+ pupils
Sports	<ul style="list-style-type: none">Received Bronze medal at a highly competitive Inter School Tournament for table tennisCaptain of girls Throw Ball team which represented the school at a District level
Certifications	<ul style="list-style-type: none">Finished the entire abacus training program consisting of 8 levels under the SIP academyRecognized with distinction (Grade A) in Intermediate and (Grade B) in Elementary Grade Drawing Examinations among 300+ students appeared from all over the country
Mentorship	<ul style="list-style-type: none">ELIT:Conducted weekly classes aimed at improving English Proficiency of 100+ students