



Mahek Virwani
Chemical Engineering
Indian Institute of Technology Bombay

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B.Tech.
Gender: Female
DOB: 8/9/2002

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	<div></div>

Pursuing a minor in Management Studies from SJM School of Management as an auxiliary degree

PROFESSIONAL EXPERIENCE

Kearney | Summer Business Analyst Jun'22-Jul'22

Worked for Fortune 500 Oil & Gas client focusing on large-scale digital transformation project across the organisation

- Identified **30+** emerging trends use cases for client proposal by inspecting digital advancements in retail value chain
- Assessed **commodity fingerprinting** by analyzing **6+** quantitative and qualitative factors to predict oil price forecast
- Predicted movement in oil price on exchanges across world by constructing prototype model with over **60%** efficiency

MaxedS | Marketing Analyst Dec'21-Jan'22

*Received a **Letter of Recommendation** from Director for exemplary analytical skills & dedication during internship*

- Executed marketing campaigns for multiple clients through **800+** targeted mails using **Hubspot CRM** and **Apollo.io**
- Attained an email opening rate of **32.7 %** which is **13 %** higher than the industry average through **Split A/B Testing**
- Authenticated mails by setting up **DMARC**, **SPF** & **DKIM** analyzer tools for the verification of email sending server

POSITIONS OF RESPONSIBILITY

Internship Coordinator | Practical Training Cell, IIT Bombay Jun'22-Present

Part of a 24-member team responsible for securing internship & streamlining selection process for over 2000+ students

- Establishing relations with executives across **200+** firms in Consulting, Finance, Analytics & Management sectors
- Coordinating with **100+** Universities across globe to procure opportunities to get International Research Exposure
- Targeting a **15%** y-o-y increase in internship opportunities by analysing the old statistics, contacting & data-mining
- Pioneered a series of **10** Aptitude & Coding tests at the Institute level, aiding pre-interview preparation of students

Convener | Fourthwall | Institute Dramatics Club, IIT Bombay Jul'21-Mar'22

Functioned in an 7 membered council responsible for nurturing dramatics culture in the institute | Budget:INR

- Brought in **20+** internship & placement opportunities for students in acting, writing & direction at **The Viral Fever**
- Proposed budget of INR for permanent light setup; aimed towards reducing budget by INR annually
- Collaborated with actors **Mr. Mukesh Khanna** & **Mr. Dalip Tahir**, increasing club freshmen participation by **300% y-o-y**
- Partnered with **New York & Warwick Universities**, providing international exposure to the dramatics enthusiasts

Marketing Manager | Team Shunya, IIT Bombay Jul'21-Present

The only technical team to represent India in International solar energy powered house building competitions

Highlights	<ul style="list-style-type: none">• Team bagged 2nd position in Solar Decathlon challenge organized by U.S. Department of energy• Spearheaded Campus Ambassador Program, contacting over 5,000+ students across 100+ colleges
Initiatives	<ul style="list-style-type: none">• Targeting fundraise of INR <div></div> cash through corporate sponsorship for flagship event SUSTAIN

KEY PROJECTS

Algorithmic Trading | FinSearch project | Finance Club, IIT Bombay Jun'22-Jul'22

- Developed Python-based pair trading algorithm, to identify & trade pair of similar stocks in market neutral strategy
- Back tested algorithm in Indian financial market with an average profit margin of **4-6 %**, using real-time stock cases

Air Conditioner Structure Optimization | Course Project | Prof. P Sunthar, Chemical Engg. Jan'22-Apr'22

- Devised heat transfer model; achieving **10%** reduction in energy consumption by use of high conductivity materials
- Achieved **40%** increase in efficiency of conditioner via redesigning fin structure by optimizing differential equations

Curating college fests | Course Project | Prof. K Adil, SJMSOM Jan'22-Apr'22

- Achieved **6.67 %** reduction in budget requirements of cultural events by comparing top down to bottom up approach
- Built scheduling model using complete **PERT** analysis, indicating the completion time with a likelihood ratio of **0.99**

EXTRA CURRICULAR

Culturals	<ul style="list-style-type: none">• Received Best Delegation award for representing United Kingdom in DISEC at SCIMUN• Felicitated with High Commendation in the Security Council at IIMUN, chapter Gwalior'16• Rewarded Special Mention for exhibiting excellent diplomatic skills in Lok Sabha at LAMUN• Awarded best actor in 'Nukkad' at 4th National Convention on Students' Quality Control Circles• Performed as lead actor and voiceover in Performing Arts Festival in front of 2500+ audience• Participated in AIDS, IIT Bombay's biggest dance showcase in front of an audience of over 2000+
Sports	<ul style="list-style-type: none">• Represented Gwalior district Volleyball team in state level competition organized by SGFI• Trained professionally for 1 year in Volleyball under National Sports Organisation (NSO), IITB
Scholastic	<ul style="list-style-type: none">• Cleared National Talent Search Examination amongst 1M+ students, conducted by NCERT• Recipient of merit certificate from CBSE for being among top 0.1 % candidates in Sanskrit
Social	<ul style="list-style-type: none">• Coordinated in successful conduct of a Blood Donation Camp with potential to save 948 lives• Volunteered for 80+ hours of community service at two Rotary International old age homes
Technical	<ul style="list-style-type: none">• Languages: C, Python Softwares: Matlab, PremierePro, Photoshop, MS Office, Excel, LATEX