



Aashish Kumar
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Indian Institute of Technology, Bombay

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B.Tech.
Gender: Male
DOB: 15-08-1998

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	

PROFESSIONAL EXPERIENCE

JK PAPER | Strategy Intern | Mapping the landscape of biomass-derived chemicals (May'20-Jun'20)
Received letter of recommendation for my exemplary performance from the head of strategy department

- Researched and analysed **20 Bio-based** startups for possibilities and advantages of acquisition by JK PAPER
- Benchmarked bio-chemical producing international companies like Borregaard, SEKAB, Corbian, BioAmber
- Examined companies on the basis of their market relations such as **Strategic partnership**, joint development
- Strategised possibility of technology licensing by analysing **EBITDA** and **future investments** of a company

COURSE PROJECTS

Field investigation at contaminated sites | Course project | Prof. Met M Broholm (Jan'19-Jun'19)

- Collaborated with **22 master's student** and 2 technicians for Planning the field investigation and sampling
- Performed soil, groundwater sampling, PID screening of soil gas, pore air, coring and chemical field analysis
- Made a comprehensive **consultant report** of contamination status with PhD students at DTU laboratory

Chemical Unit Operations | Course project | Professor Ivan Hunderbøl (Jan'19-Jun'19)

- **Liquid-Liquid Extraction:** Found the efficiency of the mixer-settler in 4 conditions and different stirrer speed
- **Gas Flow in Pipes:** Investigated laminar, turbulent flow in pipes and efficiency of fan used for flow in pipes
- **Batch Distillation:** Separated water and ethanol with constant reflux ratio and analysed boiler efficiency
- **Filtration in a Filter press:** Performed filtration of solid $Mg_3(PO_4)_2$ particles through frame filter press
- Analysed system using **DWSIM** and **MATLAB** simulation to calculate errors and efficiency of equipment in lab

Electronics Vehicles | Battery Management Course Project | Prof. Peter Anderson (Feb'19-May'19)

- Examined **NISSAN LEAF** model costs **2.5 million**, analysed its charging efficiency and **smart grid integration**
- Researched the best-selling Electrical Vehicle for battery configuration, capacity & supported battery model

INTERNATIONAL EXPERIENCE

Exchange scholar, Denmark Technical University (DTU) (Jan'19-Jun'19)

- Selected as **Exchange scholar (1/4 out of 124)** from the Chemical Department and represented IITB at DTU
- Experienced 5 months in Copenhagen Denmark and explored **10 countries** with international acquaintances

POSITIONS OF RESPONSIBILITIES

Design Secretary | Hostel 2 (Aug'18-May'18)

- Elected by **500+** members, organised events, inter, intra hostel competitions with a council of **33 members**
- **Mentored 50+** students by conducting workshop for an Inter-Hostel **Design Competition** of Logo Making

Design Coordinator | The Entrepreneurship Cell (Oct'18-May'18)

- Designed **10+** advertising campaigns for online social media outreach of **4 lakh** people at E-Cell, IIT BOMBAY
- Worked on publicising **15+** events conducted by the E-Cell IIT Bombay on a digital platform with my team

Competitions Coordinator | Abhyuday (Oct'18-May'18)

- Worked as a part of Visionary social body and collected **500+ Sandesh patra** for soldier and policeman
- Successfully conceptualised and executed **Action Plan (600+ participation)** an entrepreneurship competition

EXTRACURRICULAR ACTIVITIES

SPORTS	• Selected for 14 membered Inter IIT weightlifting camp in 52nd inter IIT held in Madras	(2018)
	• Awarded gold in Novice and silver medal in Junior District weightlifting championship	(2018)
	• Completed a yearlong course of weightlifting under National Sports Organisation	(2018)
SOCIAL	• Certified social worker in SWACCH, an initiative by E-Cell (CLEAN INDIA JOURNAL)	(2018)
LANGUAGE	• Completed a 4 weeks long course on basic SPANISH under cultural IIT BOMBAY	(2018)
CULTURAL	• Participated as a lead dancer in inter hostel dance competition Dance Mania	(2018)
	• Awarded special mention (1/5 out of 50+) in Film Making inter hostel General Championship	