



YASH AGRAWAL
Civil Engineering
Indian Institute of Technology, Bombay

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B.Tech.
Gender: Male
DOB: 04-05-1999

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

PROFESSIONAL EXPERIENCE

- Times Internet Ltd.** | Software Developer [May'20-Jun'20]
 - Developed an **HTTP API** to read system details like browser, OS & their versions from provided user-agent as an API request
 - Built a Spring-Boot project for the API, linked with a presentable home-page and an **error 404** page for unknown requests
 - Achieved a lag-free performance during heavy load test case using **JMeter**, optimised by **1000+** successful **JUNIT** test cases**PowerAnser Labs Pvt. Ltd.** | Web Developer [May'20-Jun'20]
Received a **Letter of Recommendation** from the project head for commendable hard work and fast learning ability
 - Worked on an interactive **web application** from scratch for "Short Term Forecasting of load demand" using Angular project
 - Solely developed a functioning login page & various components for handling events in generating & displaying 'load' data
 - Successfully learnt and implemented **XLSX** (reader-writer), excel to json converter, ng charts and bootstrap dependencies**Consulting Engineers Group Ltd.** | Trainee Engineer [May'19-Jul'19]
Received a **Letter of Recommendation** from the Associate Director (Head of Structures) for strong analytical skills and robust work ethics
 - Worked in multiple projects, analysing data from various field conditions to be reflected in the design of any superstructure
 - Independently developed a program to design **unconventional superstructures** directly on **STAAD** via just input dimensions
 - Successfully built an optimised excel code, giving result in **less than 2 seconds**, reducing man power by a substantial amount

KEY PROJECTS

- Game Development** | Self Project [Nov'19-Dec'19]
Implemented the concepts of **Core JAVA** like **Abstract Window Toolkit** by developing **5** interactive applications on a **notepad**
 - Programmed the famous **snake game** controlled by keyboard with increasing **levels of speed** using threads and key listener
 - Used panel, multiple buttons and labels, borders & event handlers to create a **2-player tic-tac-toe** and a fun guessing game
 - Pioneered the concept of threads and action listeners in developing a fully functional **stopwatch** and server-client **chat-bot****Trend Analysis – Krishna river basin** | Analytics Course Project [Aug'19-Nov'19]
Guide: Prof. Indu J | Digital Image Processing of Remotely Sensed Data, Civil Department, IIT Bombay | **2-member team**
 - Analysed **64 yrs.** of weather data from Indian Metrological Department, **IMD** to observe the trend in temperature variations
 - Successfully developed a **MATLAB** code to map positive, negative or no (zero) trend using **Mann Kendall & Sen's slope test****Black Manta Technologies** | Technical Course Project [Aug'18-Nov'18]
Guide: Prof. Raj Jaswa | Desai Sethi Centre for Entrepreneurship, IIT Bombay
 - Researched in a team of **5** members for an efficient residential dehumidifier, based on **thermoelectric material** technology
 - Minimised** maintenance and increased life span of the dehumidifier based on Peltier effect, involving **no mechanical parts**
 - Built **business model canvas** by analysing market and customer problems to achieve a better, cheaper and durable design

LEADERSHIP EXPERIENCE

- General Secretary** | Civil Engineering Association (CEA), IIT Bombay [Mar'19 - Jul'20]
Elected representative of **800+** students to lead a council of **14 members** for all the departmental activities
 - Launched official IIT Bombay, civil department magazine- '**Civil Insights**', for the **first time**, managing an editorial team of **8**
 - Executed a budget of **INR 5 lakh** for various deals; catering to **10+** annual activities aimed at increasing bonding in students
 - Achieved **25% y-o-y growth** with collective participation of **500+** students in all the informal events organised by the council**Food & Beverages and Hospitality Manager** | AAKAAR, IIT Bombay [Mar'19 – Apr'20]
Net worth: **INR 10 lakh** | Footfall: 15,000+ | Colleges: 400+ | Events: 30+ | Part of a **14-member core team**
 - Executed the management of **INR 1.5 lakh** to be used for food sale kiosks, booking hotels, transportation and welcome kits
 - Responsible for providing accommodation to participants from over **200** colleges and dealing with numerous food brands**Institute Student Mentor (ISMP) & Department Academic Mentor (DAMP)** | SMP, IIT Bombay [Apr '19 – Present]
Selected to a team of **108 members** out of **300** candidates through rigorous interview process, SOP, peer reviews and all-round personality
 - Responsible for guiding **6** sophomores and the incoming freshmen batch to provide counsel for their holistic development
 - Part of a special **8-member ARP** team; mentoring **2** underperforming students to help them improve their academic status

SCHOLASTIC AND EXTRACURRICULAR ACTIVITIES

Academic	<ul style="list-style-type: none"> Completed Deep Learning specialization (5 courses; Coursera) certified by deeplearning.ai [Aug'20] Completed certified Python specialization (5 courses; Coursera) from University of Michigan [May'20] Finished certified JPMorgan Chase & Co. virtual internship experience as a Software Engineer [May'20]
Sports	<ul style="list-style-type: none"> Played zonal level under 19 Hockey championship at Inter School Sports & Games Competition, CBSE [2011]
Cultural	<ul style="list-style-type: none"> Secured First Position in Main Dramatics General Championship (MDGC), ICC IIT Bombay [2018]
Social	<ul style="list-style-type: none"> Volunteered to raise awareness for the blind people via See Through My Eyes Campaign [2018] Worked with SHE: Sanitation and Health Education initiative to eradicate the menstruation taboo [2017]
Technical	<ul style="list-style-type: none"> Created a C++ code using back-chain concept to solve complicated Killer Sudoku game in < 60 sec; Course Project Programming: C/C++, JAVA, Python, ML (neural networks), SQL, MATLAB, HTML5, CSS, JavaScript, TypeScript Software: Spring Boot, Angular8, AngularJS, JMeter, AutoCAD, SolidWorks, QGIS, MSOffice, STAAD Pro.

Scholastic achievements and extracurricular activities are not verified by the Placement Cell