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| **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 caseusing **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
* Solelydeveloped 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

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| **KEY PROJECTS** |

**Game Development** | Self Project [Nov’19-Dec’19]

*Implemented the concepts of* ***Core JAVA*** *like* ***A****bstract* ***W****indow* ***T****oolkit 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

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| **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

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| **SCHOLASTIC AND EXTRACURRICULAR ACTIVITIES** | | |
| Academic | • 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 | • Played zonal level **under 19 Hockey championship** at Inter School Sports & Games Competition, CBSE [2011] |
| Cultural | • Secured **First Position** in Main Dramatics General Championship (MDGC), ICC IIT Bombay [2018] |
| Social | • 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 | • 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. |