**Manduri Uday Kiran**          130020116
**Chemical Engineering**        B.Tech.
**Indian Institute of Technology Bombay**   Male
                               DOB: 20/04/1995

| Examination | University | Institute | Year | CPI / % |
|---|---|---|---|---|
| Graduation | IIT Bombay | IIT Bombay | 2017 | 5.76 |

## Professional Experience

**Backend Developer, Homestayz** | *End-to-end home rental solution*          [May '16 - Jul '16]

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| Approach | • Developed backend infrastructure of the product on **Ruby on Rails**<br>• Implemented **search/filter features** using test-driven development in rails<br>• Built **user authentication system** in website's admin dashboard |
| Impact | • Achieved **20% increment** in website hits by making site user-friendly using **Ajax**<br>• Devised an **internal tool** to maintain expenses of the company that handles 60+ transactions per day, saving **4-6 man-hours** per week |

## Position of Responsibility

**Web & Events Manager, Techfest 2016** | *Asia's Largest Science and Technology Festival* [Apr '15 - Mar '16]

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| Web | • Developed Official Website of Techfest 2016 with a record **4 million** hits<br>• Led a team of **10 volunteers** in the development of official website and **4 microsites**<br>• Organized an online crypt hunt Segreta; received **280,000** hits over **3** days from **24** countries |
| Initiatives | • Initiated and led the adoption of **iBeacon technology** in the official Android App of Techfest that provided **real-time updates** all around IITB campus<br>• Conceptualized and executed Manifest, a competition to fight corruption using popular **web technologies**, backed by **14 IAS** officers |
| Events | • Executed global summit for dialogue on **Disruption via IoT** among academia, 9 tech giants (IBM, CISCO) and 20 startups<br>• Executed **Full Throttle**, a **high-end** drag racing competition; featured on **MTV** |

## Key Academic Project

**Optimization of resources under rural PHC's** | *Guide: Prof. Bakul Rao, CTARA*          [May '16 - Jun '16]

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| Case Study | • Performed a literature survey on the population served by PHCs in Osmanabad district<br>• Implemented **combinatorics** and **k-ary trees** in **C++** to analyze various possible solutions |
| Proposal | • Suggested implementation of **Multi-Knapsack problem** in optimization of resources |

## Software Skills

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| Programming | C/C++, PHP, SQL, Python, C# |
| Web | Ruby on Rails, Laravel, Bootstrap, MySQL, PostgreSQL, Ajax |
| Software | Visual Studio, MATLAB, Scilab, LaTeX |

## Miscellaneous

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| Social | • Taught **100+** underprivileged students during the Educational Outreach program of NSS<br>• Structured **Internet for All** campaign that empowered **48,000+ students** across **50** villages<br>• Ideated and executed a social initiative ReCycle to promote awareness about global warming, health and fitness in **25** colleges of Mumbai followed by a Cyclothon with **1300+** participation |
| Technical | • Visited Rashtriya Chemicals and Fertilizers Ltd.; understood manufacture of Sulphuric acid<br>• Coded a non-linear equation solver in MATLAB as a part of Numerical Analysis course |
| Interests | • Extensive user of Quora and avid reader of novels<br>• Badminton enthusiast, having played in inter-hostel events |