

# Manduri Uday Kiran

B. Tech, IIT Bombay

udaykiran2495@gmail.com

Cell: 8692-058-679

#137, Hostel 7, IIT Bombay

Powai, Mumbai - 400076

## Skills

**Programming** : C/C++, PHP, SQL, Python, C#, Git

**Web**: Ruby on Rails, Laravel, Bootstrap, MySQL, PostgreSQL, Ajax

**Software** : Visual Studio, MATLAB, Scilab, LATEX

## Academic Project

**Optimization of resources under rural PHCs** [May '16 - Jun '16]

*Guide: Prof. Bakul Rao, CTARA, IIT Bombay*

- Performed a literature survey on the population served by PHCs in Osmanabad Dt.
- Implemented combinatorics and **k-ary trees** in C++ to analyze possible solutions
- Suggested implementation of **Multi-Knapsack problem** in optimization

**Backend Developer, Azuro.in**

May '16 - Jul '16

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

## Work History

**Web Manager, Techfest**

Apr'15 - Mar'16

*Asia's Largest Science and Technology Festival*

- Developed Official Website of Techfest which garnered **4 million hits**
- Led a team of **10 volunteers** in the development of official website and 4 microsites
- Organized an online crypt hunt Segreta; received **280,000 hits** over 3 days from 24 countries
- Initiated and led the adoption of **iBeacon technology** in the official Android App of Techfest that provided **real-time updates** all around IITB campus

**IIT Bombay**  
2013-2017

Bachelor of Technology (B. Tech), Chemical Engineering  
Aggregate: 5.76/10

## Education

**Narayana Junior College**  
2011-2013

12<sup>th</sup>, Andhra Pradesh Board of Intermediate Education  
Aggregate: 93.1%

## Miscellaneous

- Taught 100+ underprivileged students during the Educational Outreach of NSS
- Structured Internet for All campaign that empowered 48k+ students
- Ideated and executed a social initiative ReCycle to promote awareness on global warming and fitness in 25 colleges followed by a Cyclothon with 1300+ participation
- Extensive user of Quora and avid reader of novels