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**nATIONAL iNSTITUTE OF tECHNOLOGY**

**tIRUCHIRAPPALLI**

**Tushar gautaM**

Male, Indian, 20 years

A60, Zircon Hostel,

NIT , Tiruchirappalli

Email: **tushar.rishav@gmail.com**

**PERSONAL DETAILS**

* Father’s Name : Vijay Kumar Roy
* Date of Birth : 6th March 1995
* Languages Known : English, Hindi, Bhojpuri

**EDUCATION**

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| **B.Tech** | **Production Engineering** | **CGPA : 7.85** |

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| Semester | I  Dec 13 | II  May 14 | III  Nov 14 | IV  May 15 | V  Nov 15 | VI  May 16 |
| GPA | 8.68 | 8.22 | 7.44 | 7.04 |  |  |

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| Class XII (CBSE) | 2012 | Delhi Public School, Bokaro Steel City | **87.2%** |
| Class X (CBSE) | 2010 | DAV Public School, Bhagalpur | **93.0%** |

**Academic ACHIEVEMENTS AND co-curricular activities**

* Semi-finalist of **The Snapdeal Hackathon**, a national level competitive programming cum app development contest by **Snapdeal**.
* Finalist of **Chakravyuh**, a puzzle based quiz event during **Festember’15**(The National level inter-collegiate cultural festival of National Institute of Technology, Tiruchirappalli).
* Awarded Special Merit certificate for Computer Science by **CBSE** for being in the top **0.1%** of the total students who took AISSCE in the year 2010.

**SOFTWARE SKILL SET**

* Languages :**Preferred** - Python, C++ , JavaScript . **Acquainted** - C, Scala, Clojure , CoffeeScript ,PHP, HTML, CSS.
* Operating System: **Preferred -**Linux**Acquainted -** Windows
* Technologies: MongoDB , Git, AngularJS, Rails, Bottle, Bootstrap

**PROJECT WORK/ training**

* **Summer Internship at** **Citrus Payments, Pune** **(May-July 2015)**

Worked on the alternative of Citrus.js to integrate checkout page with Citruspay payment gateway. Used CoffeeScript with revealing module design pattern and the result was 45% reduction in codebase.

* **Research Assistant, NIT Tiruchirappalli (Nov 2015 - Present)**

Working on ﬁnding optimal solution for multiple vehicle depot routing problem. It involves two phases. Phase one is clustering of nodes based on K-means clustering algorithm and the second is optimization phase in which Ant Colony Optimization, Simulated Annealing and a Hybrid algorithmis used to ﬁnd out the best tour plan for each depot.

* **Wallnote (Oct 2015)**

Converts desktop wallpaper into an “ editable whiteboard ”enabling users to write notes with changes being reﬂected immediately. Code at <https://github.com/tushar-rishav/wallnote> .

* **Topcoder-dl (Oct 2015)**

Console app to efﬁciently download all the algorithm tutorials from Topcoder and save them locally as PDF ﬁles for ofﬂine reading. Code at <https://github.com/tushar-rishav/topcoder-dl> .

* **Balert (Sep 2015)**

A console app, that gives voice notiﬁcation when the charge of battery becomes low. Users have the options to set custom warning messages, critical charge level and select English, Hindi or Tamil as one of the notiﬁcation languages. It has been downloaded by more than 30k users. Code at <https://github.com/tushar-rishav/balert> .

* **Code2pdf (Sep 2015)**

Console app that converts given source code into PDF ﬁle with the options for more than 20 syntax highlighting themes, custom PDF sizes and line formatting. Code at <https://github.com/tushar-rishav/code2pdf> .

* **Blogular (Aug 2015)**

A simple Blog generator which takes article contents as JSON data and generates a decent blog. Code at <https://github.com/tushar-rishav/Blogular> .

* **Dalal Street (Dec 2014)**

A virtual stock trading game. Trading is facilitated by an electronic exchange running from the servers. Developed an Administrative Panel for the game. Code at <https://github.com/delta/DalalStreet>

**EXTRA CURRICULAR ACTIVITIES**

**Positions of Responsibility:**

* **Event Manager** of Dalal Street **Pragyan'15** (The International Techno-Management festival of NIT, Tiruchirappalli)
* Part of **Festember** (The National level inter-collegiate cultural festival of National Institute of Technology, Tiruchirappalli) in the following capabilities
* **Deputy Manager** of the **Design Event** team of Festember’15
* **Game Developer** team of Festember’14
* Part of the **Computer Support Group** of **Prodigy'15** (The National level technical symposium conducted by the Department of Production Engineering, NIT, Tiruchirappalli)
* Core Member of **Delta,** The elite programming club of NIT, Tiruchirappalli.

**Social Service / Activities**

* Member of the **National Service Scheme (NSS)** of NIT, Tiruchirappalli.