Tushar **Gautam**

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Experience

National Institute of Technology   *Tiruchirappalli, India*
RESEARCH ASSISTANT   *Nov 2015 – Present*

- Working on finding optimal solution for multiple vehicle depot routing problem.

Citrus Payments Pvt Ltd   *Pune, India*
SOFTWARE ENGINEER INTERN   *May 2015 – Jul 2015*

- Rewrote Citrus.js to integrate checkout page with Citruspay payment gateway, in CoffeeScript using revealing module design pattern. The result was 45% reduction in codebase.
- Wrote Ruby and Python scripts for implementing Citrus Wallet.

Education

National Institute of Technology   *Tiruchirappalli, India*
B.TECH IN PRODUCTION ENGINEERING   *July. 2013 - PRESENT*

- Cum. GPA: 7.85/10

Independent Courses

2015	**Data Structures and Algorithms**, IIT, Delhi	*NPTEL*
2015	**Software Security**, University of Maryland, College Park (Undertaking)	*Coursera*

Skills

Preferred   *Programming*

- Python • JavaScript • C++

Acquainted

- C • CoffeeScript • PHP • HTML • CSS • Scala • Clojure • MongoDB • MySQL • Git • AngularJS • Rails • Bottle • RESTful web services

Projects

Console application which gives voice alert when battery becomes low   *Python*
BALERT   *Sep 2015*

- Gives voice notification whenever the charge of your battery becomes low. User has an option to set custom warning messages, percent charge level and select between English, Hindi and Tamil as one of the notification languages.
  https://github.com/tushar-rishav/balert

Convert various source codes into pdf file with custom features   *Python*
CODE2PDF   *Sep 2015*

- Console app cum Python module to convert given source code into PDF file with the options for more than 20 syntax highlighting themes, custom PDF sizes and line formatting.
  https://github.com/tushar-rishav/code2pdf

Convert your wallpaper into an editable white board *Python*

<small>WALLNOTE</small> *Oct 2015 - Present*

- Converts wallpaper into an "editable white board" enabling users to write notes with changes being reflected immediately.Currently, the project is under development
https://github.com/tushar-rishav/wallnote

Download Topcoder data-science tutorials and save as PDF *Python*

<small>TOPCODER-DL</small> *Oct 2015*

- Console app to efficiently download all the algorithm tutorials from Topcoder and save them locally as PDF files for offline reading.
https://github.com/tushar-rishav/topcoder-dl.
With minor modifications, the script downloads all the DataStructures and Algorithms tutorials from **GeeksForGeeks** too.
https://github.com/tushar-rishav/g4g-dl

Blog generator with minimum setup *AngularJS*

<small>BLOGULAR</small> *Sep 2015*

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

Extracurricular Activity

Delta Force *NIT Tiruchirappalli, India*

<small>MEMBER</small> *Aug. 2014 - PRESENT*

- The elite programming club of National Institute of Technology, Tiruchirappalli.
- Gained expertise in web development & security areas, especially about internal of operating system based on UNIX and several exploit techniques.

Honors & Awards

2015	**91/2500 Rank**, Snapdeal Hackathon	*India*
2013	**5924 Rank among 1.4 millions students**, IIT JEE 2013	*India*
2013	**Extra-ordinary performance**, In cricket-boys senior under 17 years	*India*
2010	**All India Rank 514**, Indian National Science Olympiad	*India*