

# 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

## 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>

### Converts 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

WALLNOTE

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

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.  
<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

BLOGULAR

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

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### Delta Force

NIT Tiruchirappalli, India

MEMBER

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

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