Tushar Gautam

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EDUCATION

NIT, TRICHY, INDIA
B.Tech
Expected May 2017 | Trichy, TN, India
Cum. GPA: 7.85/10

LINKS

Github:// **tushar-rishav**
LinkedIn:// **tusharrishav**

COURSEWORK

INDEPENDENT
Data Structures and Algorithms, IIT Delhi, NPTEL
MongoDB for Developers, by MongoDB university, Edx
6.858, Computer Systems Security, MIT OCW (Undertaking)

SKILLS

PROGRAMMING
Preferred:
Python • JavaScript • C++
Acquainted:
C • CoffeeScript • PHP • HTML • CSS • Scala • Clojure • MongoDB • Git • AngularJS • Rails • Bottle •

SOCIETIES

Delta ,
The elite programming club of NIT, Trichy.

AWARDS

All India Rank 91/2500, Snapdeal Hackathon. [2015]

EXPERIENCE

NIT TRICHY | Research Assistant
Nov 2015 - Present | Trichy, India
- 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 algorithm is used to find out the best tour plan for each depot.

CITRUS PAYMENTS | Software Engineering Intern
May 2015 – Jul 2015 | Pune, India

- 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.

PROJECTS

WALLNOTE
Oct 2015 - Present | Python
Converts desktop wallpaper into an "editable white board" enabling users to write notes with changes being reflected immediately.
https://github.com/tushar-rishav/wallnote

TOPCODER-DL
Oct 2015 | Python
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 .
https://github.com/tushar-rishav/g4g-dl

BALERT
Sep 2015 | Python
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. https://github.com/tushar-rishav/balert

CODE2PDF
Sep 2015 | Python
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.
https://github.com/tushar-rishav/code2pdf

BLOGULAR
Aug 2015 | AngularJS
A simple Blog generator which takes article contents as JSON data and generates a decent blog. https://github.com/tushar-rishav/Blogular

DALAL STREET
December 2014 | Rails
A virtual stock trading game. Trading is facilitated by an electronic exchange running from the servers. https://github.com/delta/DalalStreet