

#613, Godavari Block, NGV,  
Bangalore, Karnataka 560047

# VINAY BHAT

+91-8105235201  
vinaybhat001@gmail.com  
github.com/vshan

## EDUCATION

<b>Surathkal, Karnataka</b>	<b>National Institute of Technology Karnataka</b>	<b>August 2014 – May 2018 (Expected)</b>
<ul style="list-style-type: none"><li>• <b>B. Tech</b>, Information Technology</li><li>• Undergraduate Coursework (as of 3<sup>rd</sup> semester): Data Structures and Algorithms, Digital Design and Computer Organization, Calculus II, Calculus III, Programming in C, Graph Theory, UNIX Programming</li></ul>		

## WORK EXPERIENCE

<b>Bangalore, Karnataka</b>	<b>Make A Difference (MAD)</b>	<b>May 2015 – July 2015</b>
<ul style="list-style-type: none"><li>• <b>Software Engineering Intern.</b> Worked on India's first online and offline (internal) fundraising platform, streamlining transactions from all across 23 cities of MAD's operation. Sole developer of the server responding to SMS requests. Technology stack: Ruby, Ruby on Rails, MySQL, AngularJS, jQuery</li></ul>		

## TECHNICAL EXPERIENCE

### Projects

- **Auto Task Scheduler.** Web application which takes n tasks with their deadlines and amount of time required and auto assigns them, distributing them evenly across all dates, with drag and drop support. A better version of Google Calendar. Ruby/RoR, JS, MySQL
- **Competitive Exams Question Generator.** Web application which generates a random question within the bounds set by user. User can filter based on Exam, Subject, Subtopics, Difficulty, etc. Ruby/RoR, JS, MySQL
- **Task Manager and Logger.** A personal-assistant like task manager, logger and web crawler. Generates periodic automatic reports. Syncs with Google Keep. Haskell, Ruby, bash.
- **Cricket Game Engine.** A cricket game engine which simulates a game of cricket and provides a rich API for probabilistic analysis using user data on players' statistics. Ruby.
- **Ruby Science Foundation.** Contributed to SciRuby foundation by writing a script which generates a report on number of methods of BLAS, LAPACK, CBLAS (mathematical computation libraries) implemented in source.
- **Web Design and Development.** A collection of web pages including blog page design and development, as hosted on my GitHub profile.
- **Graphic Design.** Wrote several articles and tutorials on Graphic and Web design for VectorDiary and Design.CreativeFan.

## ACHIEVEMENTS

- **Scored in 99.6<sup>th</sup> percentile:** Scored in the 99.6<sup>th</sup> percentile in the entrance test for NITs, written by 1.36 million Indians.
- **Co-founded a start-up:** Started-up a service with two others, which generates random questions for IITJEE (mains) prep help. Based on the Competitive Exams Question Generator project.  
**Hosted on:** <http://jee-aecskaga.rhcloud.com>, currently in development mode.
- **Second Prize, ISRO Innovative Ideas:** Awarded 2<sup>nd</sup> prize for Water Desalinator, generating potable water from saline water. 2<sup>nd</sup> out of 100+ other projects.

## Languages and Technologies

- Ruby, C, C++, Haskell, Java, SQL, Shell Scripting, Python, JavaScript, HTML, CSS
- Ruby on Rails, Sinatra, jQuery, CoffeeScript, Yesod, Git
- Adobe Photoshop, Adobe Illustrator