

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

VINAY BHAT

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

EDUCATION

	National Institute of Technology Karnataka	August 2014 – May 2018 (Expected)
Surathkal, Karnataka		
<ul style="list-style-type: none">• B. Tech, Information Technology• Undergraduate Coursework (as of 4th semester): Data Structures and Algorithms, Operating Systems, Computer Networking, Graph Theory, UNIX Programming, etc.		

WORK EXPERIENCE

Bangalore, Karnataka	Make A Difference	May 2015 – July 2015
<ul style="list-style-type: none">• Software Engineering Intern. 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		
Mumbai, Maharashtra	Indian Institute of Technology, Bombay	December 2015
<ul style="list-style-type: none">• Engineering & Research Intern. Worked on IIT Bombay's international software, Scilab, an open source equivalent to Matlab. Wrote code for the Image processing toolbox, designing and implementing algorithms for morphological image analysis and processing. Technology stack: C++, OpenCV, Scilab		

TECHNICAL EXPERIENCE

Projects

- **Distributed Access Shell.** Dash, a new innovative shell, allows inter-host, inter-process communication by combining the two fundamental UNIX abstractions: sockets and pipes, allowing unprecedented, distributed command execution and redirection. **C, Makefile**
- **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.**
- **Auto Task Scheduler.** Web application which takes n tasks with their deadlines and amount of time required and auto schedules them, distributing them evenly across all dates, with drag and drop support. A better version of Google Calendar. **Ruby on Rails, JavaScript, 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**
- **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.**

ACHIEVEMENTS

- **Executive Member, IEEE, NITK chapter**
- **HackerRank Campus Ambassador (Junior)**
- **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.
- **Scored in 99.6th percentile:** Scored in the 99.6th percentile in the entrance test for NITs, written by 1.36 million Indians.
- **Second Prize, ISRO Innovative Ideas:** Awarded 2nd prize for Water Desalinator, generating potable water from saline water. 2nd out of 100+ other projects.

Languages and Technologies

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