

# Rounak Banik

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## EDUCATION

### IIT ROORKEE

B.TECH IN E&C ENGINEERING

Expected May 2018 | Roorkee, India

### DAV BOYS SR. SEC. SCHOOL

Grad. May 2013 | Chennai, India

- Top 1% of all graduating students
- AIR-9 in the AMTI Olympiad 2010
- Top 1500/500,000 in NTSE 2010
- Regional Winners of the CNBC Finance Quiz 2010
- 2nd/100 in the Ramanujan Quiz 2013
- Top Speaker at the WSDC Chapter in Chennai

## LINKS

Github:// [rounakbanik](#)

LinkedIn:// [rounakbanik](#)

Quora:// [Rounak-Banik](#)

Wordpress:// [TheBlackSwanSongs](#)

## COURSEWORK

### UNDERGRADUATE

Object Oriented Programming

Data Structures

Digital Logic Design

Computer Architecture

Computer Graphics

Business & Innovation Models

Mathematics 1 (Linear Algebra and Multivariate Calculus)

Mathematical Models

Probability & Statistics

Communication Systems

### AUDITED MOOCS

Intro to AI (Udacity)

Object Oriented JavaScript (Udacity)

## SKILLS

### PROGRAMMING

Languages:

C • C++ • Java • Javascript • Python

Ruby • PHP • Verilog • CSS • XML

Frameworks:

Rails • AngularJS • WebApp2 • Android

Libraries/ Packages/ OS:

Matlab • Gephi • jQuery • OpenGL

Bootstrap • Linux • Chrome • Xilinx

### SPOKEN LANGUAGES

English • Hindi • Bengali

French • Tamil

## EXPERIENCE

### SOFT SKILLS LAB | FOUNDER + CHAIR

January 2016 – Present | Roorkee, India

- Conducted 5 events in 2 semesters; attended by over 250 people.
- Delivered 4 one-hour talks on Public Speaking, Debating, Critical Thinking and Vocabulary.

## INDEPENDENT PROJECTS

### RETRONET | SOCIAL NETWORKING APP

Built a social networking site on the LAMP Stack. Signed up over 150 non-bot users in less than 3 hours. Site crashed shortly after due to excessive traffic. Resembles an early version of Facebook. Unique features included social discovery, anonymous confessions and profile views (by gender)

### BLOGPEDIA | LIGHTWEIGHT BLOG ENGINE

Built in Python and hosted on the Google App Engine. Allows registered users to create personal blogs. Users can comment on and share each other's posts on Facebook, Google+ and Twitter.

### DORIAN | MICROBLOGGING APP

Built on Ruby on Rails as part of Hartl's Tutorial. Resembles a primitive version of Twitter. Users can publish microposts and follow each other.

### ROUNAK'S WIKI | MULTI USER WIKI

Implemented a wiki as final project for the CS-253 Course on Udacity. Allows users to view, edit and create articles upon signing up.

Timetable Generator (C++) • Sports Registration System (Java)

Pong (OpenGL) • CSS Helper (JS) • Webcomic Extension (Chrome)

Torrent Bots (Python) • Dramatics Section Website (CSS)

## POSITIONS OF RESPONSIBILITY

### THE LITERARY SECTION | FORMER JOINT SECRETARY

1st/35 in the Freshers Quiz 2014. Conducted the Freshers Quiz 2015 and the Black Swan Quiz 2016. 1st/40 in the General Quiz and 3rd/35 in the Technology Quiz conducted in Cognizance 2016. Our contingent was ranked 6th among all IITs and IIMs in Nihilanth 2016.

### GEEK GAZETTE | SENIOR EDITOR

Serve as the Editor of the official technical magazine of IIT Roorkee with an on campus readership of 1500 people. Part of a 70 member team.

### DRAMATICS SECTION | ACTOR + MUSIC DIRECTOR

Built the website of the Campus Theatre Troupe. Acted in 2 plays. Served as Music Director in a thriller. Organized 8 plays across 5 semesters with an average audience of 300 per play. Part of a 40 member team.

## CERTIFICATIONS

- Machine Learning by Stanford University on Coursera.
- Design & Analysis of Algorithms I & II by Stanford University on Coursera.
- Social & Economic Networks by Stanford University on Coursera.