

Anirban Sengupta

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Experience

Product Analytics Intern, Housing.com (2015)

- Built several internal tools using Python, JavaScript, PostgreSQL, MongoDB and the Mixpanel API, making the organization's testing and deployment of web analytics much faster
- Built a Chrome extension for testing and debugging analytics data sent to Mixpanel, and a custom data visualization tool to track user conversions across channels
- Compiled reports to (a) check viability of app unbundling, and (b) determine key metrics such as net promoter scores

Education

Indian Institute of Technology Roorkee (2011-16, expected)

Integrated M.Sc. in Applied Mathematics

- GPA: 6.820 on a scale of 10, graded on a curve
- Coursework: data structures; database management systems; innovation, entrepreneurship and business models; linear algebra; graph theory; probability and statistics; operations research

Projects

Search engine, for 3rd year project (2014)

A PageRank-based search engine in Python, made using concepts taught in linear algebra and graph theory.

Gradebook, for IIT Roorkee's annual hobbies clubs' exhibition (2013)

A web application where professors can manage their students' academic records, and students can view them. Functionality includes grading on a curve and viewing data as interactive charts.

Online courses

Product Design: Validation and Design through UX Sprints (2015)

Google and Udacity's course on how to develop and validate product ideas, design products, and measure their success.

A/B Testing: Online Experiment Design and Analysis (2015)

Google and Udacity's course on how to design, analyze and measure the impact of online experiments.

Extracurricular activities

Business plan competition, IIT Roorkee Heritage Foundation (2015)

Honorable mention and a cash prize of INR 15,000 for our business idea of a hyper-local home services application and its business strategy. Highest placed finish among students; all higher placed finishes were alumni with operating businesses.

Class and placement representative, Department of Mathematics at IIT Roorkee (2013-)

Liaison between the department's professors and my fellow students. Collaborated with professors in fundraising for departmental events, making class and examination schedules, etc.

Co-coordinator (Controls), Cognizance, IIT Roorkee's tech fest (2013)

Part of a team of 20 people that managed the registration and accommodation of over 2000 students who had come from all over India to participate in Cognizance 2013.

Social Awareness Cell, National Service Scheme (NSS) (2011-12)

Part of an acting crew that performed short plays and organized open discussions on social issues at IIT Roorkee's convocation hall and open air theatre.

Skills

Programming

Python
C++
Mathematica

Back-end development

Django
Node.js

Front-end development

JavaScript
HTML
CSS

Database systems

PostgreSQL
MongoDB

Achievements

(i) Awarded the Innovation in Science Pursuit for Inspired Research (INSPIRE) scholarship by the Government of India's Department of Science and Technology (2012-)

(ii) Selected for the Indian National Mathematics Olympiad (INMO) after having cleared the Regional Mathematical Olympiad (RMO) (2011)