

Siddharth Mitra

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Experience

Programming Ninja, Teaspiller

December 2009 to present

Developed an online market place for tax experts using Django/jQuery. Designed the data model for various parts of the system and scaled the infrastructure using Amazon EC2, S3, and EBS. Also worked on their payment solution via Braintree. I was responsible for various system admin tasks, setting up integration/deployment processes, along with application security testing and setting up related processes/policies.

Lead Product Engineer, Emriq Systems

March 2009 to February 2010

Led the development of their web based electronic health record platform using Django/jQuery. I designed the database schema, and took most of the technology decisions and platform choices for the company. I also set up processes, tools for version control and project management, and responsible for general system administration. I took a up a front end sales role, including sales pitches and technical demos to clients. Also, planned their sales strategy in the Indian healthcare market and product pricing.

Education

Master of Technology in Computer Science, IIT Delhi

Focussed on social network research, which included characterizing the access patterns and workload of five different online video sharing websites, for eg. YouTube and also identifying invariants across them. This involved large scale data collection/analysis over 6 months, with data sets of over 10 million rows.

GPA 8.06/10

Bachelor of Technology in Information Technology at VIT Vellore

Interned at Honeywell Technology Solutions Labs during the final year where i worked exclusively on Microsoft Office Sharepoint Server (MOSS) 2007. Deployed Knowledge Network over the same, and worked with Windows Workflow Foundation (.Net 3.0). I was assigned an additional project in a team of four, for the development, design, testing of a "Digital Forms 2.0" prototype, an inhouse workow application over the Sharepoint platform.

GPA 8.5/10

Research

Mitra, S et.al. "Characterizing Web-based Video Sharing Workloads." Proc. International World Wide Web Conference (WWW '09), Madrid, Spain, Apr. 2009

Achievements and Awards

All India Rank 6, Graduate Aptitude Test in Engineering(GATE)2007
Suresh Chandra Memorial Award, best software project in Comp Sci at IIT Delhi
Won Yahoo's University edition of their Hackday held at IIT, Delhi

Programming Languages

Python
C, C++, Java
JavaScript,
Matlab, R

Web Frameworks

Django,
web2py
jQuery

Cloud Platforms

Amazon Web services
Google App Engine

Useful Tools

MongoDB
Git, Mercurial
Apache, nginx
SQL, MySQL
Selenium

Project Skills

System Admin
Database Design
Web Development
Project Management
Data Analytics
SEO Strategy
A/B Testing

Research Interests

Social Networks
Statistical Analysis

Current Interests

Comet
Data Visualization
Hadoop