

Anindya Dutta
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SKILLS

- Software Engineering: 8 years in Java and 1 year in Python. Proficient in OOP, data structures and algorithms.
- Full stack: Proficient in HTML, CSS, JS, jQuery, Bootstrap, AngularJS, Ajax, REST APIs, PHP, and MySQL.
- Mobile development: 2 years of experience in Android. Own a patent in Android framework.
- AI: Researching in Sentiment Analysis using NLP and Machine learning.

EDUCATION

- **University of Southern California** Los Angeles, CA
Master of Science in Computer Science; GPA: 3.83 Aug 2016 – May 2018
- **Manipal Institute of Technology** Manipal, India
Bachelor of Engineering in Computer Science and Engineering; GPA: 3.85 Jul 2010 – May 2014

EXPERIENCE

- **University of Southern California** Los Angeles, CA
Senior Software Engineer, Dept. of Psychology May 2017 – Present
 - **Cognitive Measures (Android)**: Managing team of 4 people to create an application to test cognitive abilities that will reach at least 9000 people, was designed from scratch and represents a sample of 360,000 people. Libraries: GSON, Retrofit2, Picasso.
 - **Pilot Test (Website)**: Oversaw development of front-end to access all survey data collected from the Android application. Technologies: Bootstrap 3, AngularJS, HTML5, CSS3, jQuery, PHP, MySQL.
- **Samsung R&D** Noida, India
Software Development Engineer, Framework R&D Jun 2014 – Jun 2016
 - **Smart Notifications (Android)**: Developed a service for bucketing notifications intelligently into four categories and facilitating easier management of notifications. **Registered for patent.**
 - **OS Upgrade (Android)**: Responsible for upgrading the lock-screen and quick panel for 30 major models, including UI development, maintenance and bugfixing. Fixed 349 open issues in Android 5.1 and 6.0.
- **Samsung R&D** Noida, India
Engineering Intern, Framework R&D Jan 2014 – May 2014
 - **Buddy Finder (Android)**: Developed a service to provide real-time location sharing of user to contacts. Used a PHP back-end to store incoming update and broadcast it to appropriate users.
 - **UI Design and Development (Android)**: Worked on UI Framework, developing UIs for lock-screens, notification panel and quick setting buttons, as per UX guidelines.
- **Hochschule Emden/Leer** Emden, Germany
Engineering Intern, Dept. of Electrical and Computer Science Jun 2013 – Jul 2013
 - **AI Inference Algorithm (Python)**: Implement an application that uses resolution inference algorithm to output if or not a set of given premises can be used to infer a statement logically.
 - **Rational Functions Plot (Android)**: Built an educational application to plot poles and zeroes of functions.
- **Tata Group** Jamshedpur, India
Engineering Intern, IT Department Summer 2012 and Winter 2012
 - **Lab Booking System (Website)**: Developed an online system used by 60,000 **Tata Motors** employees to book labs for meetings. Back-end: JSP, Oracle 10g. Front-end: JavaScript, HTML, CSS.
 - **Online Marketplace (Website)**: Implemented an application used by 74,000 **Tata Steel** employees to place orders for furnace items, included an approval system. Back-end: JSP, Derby. Front-end: JavaScript, HTML, CSS.

PROJECTS

- **Cancer Social Network (Android)**: A cancer patients "social network" made with Firebase at a Health hackathon.
- **Shopping with Zappos (Android)**: Used Zappos REST APIs to display items from their site using Data binding.
- **Facebook Search (Website)**: A responsive website that searched for people, places and pages from Facebook. Technologies: AngularJS, Bootstrap, jQuery, AJAX, AWS, PHP, Facebook Graph SDK.
- **Facebook Search (Android)**: Developed an application using Retrofit2 to retrieve data from the above backend.
- **Sentiment analysis (Python)**: Classify books on Project Gutenberg based on multiclass classification of sentiments.