

# Nishita Dutta

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## Education

- **B.E. Information Technology, CGPA 8.445** **Mumbai**  
*Sardar Patel Institute of Technology, Andheri* 2014–2018
- **Class 12, 93.6%** **Kolkata**  
*Ashok Hall Girls' Higher Secondary School, Park Street* 2013–2014
- **Class 10, CGPA 10** **Kolkata**  
*Ashok Hall Girls' Higher Secondary School, Park Street* 2011–2012

## Notable Projects

- **Web:** Team Lead for developing a portal for a national level IOT contest built in Laravel, a PHP framework. <https://interthrone.com>
- **Android:** 'Emerge'  
Developed a mobile application that uses various technologies such as Microsoft's HealthVault SDK, Firebase Realtime Database and other Google API's. Beta version - <https://play.google.com/store/apps/details?id=com.fiftyx.emerge>
- **Android:** 'Travel bot Application'  
Developed a chat bot application for Skype using Microsoft's bot framework that provides flight timings and other details.
- **Game Programming:** 'Pacman, TileMatcher, 2D shooting, Infinity Runner'
- **Android:** 'Business App'  
Involved in building an android app, BusinessApp to be used as a template application for businesses and companies.

## Technical skills

- **Programming Languages:** C, C++, Java, Python, C#
- **Web Development:** HTML, CSS, PHP (Laravel framework), Javascript
- SQL, Hadoop, Android, Firebase

## Internships

- **Credit Suisse**  
*Technical Analyst Intern*  
Worked on Credit Suisse's Algorithm trading engine functionalities. Built a log parsing application using C# and .Net technologies.
- **Tata Institute of Social Sciences**  
*Mobile App Developer*  
Developed an android application for Capacity Building of the Elected Women Representatives (EWRs) of India
- **GameEon Infotech Pvt. Ltd.**  
*Game Developer Intern*  
Built mini games for mobile and desktop platform using Unity3D, Cocos2Dx and Cocos2DJS in languages C#, C++ and Javascript
- **AlphaLabz**  
*Android Intern*  
Alpha Labz, a startup committed to developing android applications and games. Involved in building an android app, BusinessApp to be used as a template application for businesses and companies. <http://alphalabz.com/>

## Positions of Responsibility

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- Training and Placement Coordinator at Sardar Patel Institute of Technology
- Mentored a team of 12 students for building a placement/ recruitment portal for the college
- Organised and conducted a workshop for Android App Development for a duration of two weeks
- Organised and conducted workshops in college for programming languages such as C, C++, Java and Scratch.
- Organised and wrote programming problems for a coding based event in college Technical festival, Matrix 2015
- Volunteer at Abhyudaya, a NGO dedicated to teaching underprivileged children.
- Member of Technical Committee of the campus chapter Computer Society of India

## Awards and Achievements

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- Ranked 4th in CodeIT Suisse 2017 Hackathon.
- Qualified for, and participated in ACM-ICPC 2016 regionals.
- Participated in J.P Morgans Code for Good Hackathon 2017.
- Shortlisted amongst top eight for Credit Suisse's Womens' Excellence Award 2016
- Ranked 1st in ITSA (IT Students Association) September Challenge hosted on HackerRank.
- Ranked 4th, 5th in Coding Competition of SPIT Coders Club, Contest 3 and 1 hosted on HackerEarth, Codechef resp.
- Ranked 5th in Coding Competition of SPIT Coders Club, Contest 1 hosted on Codechef
- Enthusiastic about competitive programming. [https://www.codechef.com/users/nish\\_d](https://www.codechef.com/users/nish_d)

## Publications and Certifications

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- **The International Conference on Soft Computing and Signal Processing, ICSCSP-2018**
  - *Working Paper: Deep Bidirectional RNNs using GRU & LSTM Units for Building Acoustic Models for Speech Recognition*  
Under review for presentation & publication in "Advanced Intelligent Systems and Computing (AISC)", Springer
- **Codechef Certified Foundation Level Exam**
  - *CodeChef Certified Data Structure & Algorithms Programme, (CCDSAP)*
- **Beginning Game Programming with C#**
  - *University of Colorado System, Coursera, Grade Achieved: 94.8%*
- **Programming for Everybody (Python)**
  - *University of Michigan, Coursera, Grade Achieved: 100%*
- **Responsive Website Basics: Code with HTML, CSS, and JavaScript**
  - *University of London & Goldsmiths, Coursera, Grade Achieved: 96%*