

Nishita Dutta

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Education

- **Masters in Computing, Computer Science Specialization** **Singapore**
National University of Singapore, School of Computing 2022–present
- **B.E. Information Technology, CGPA 8.52** **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

Work Experience & Internships

- **PhonePe**
Software Engineer
Worked as an android developer in a digital payments app startup. Worked on the build system and reduced build time by 70%. Reduced app cold startup time by 30%. Developed authentication and authorization framework for the application. Improved UX and ease of registering on the platform resulting in a 20% jump in the number of successful sign-ups and new users.
- **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.

Publications and Certifications

- **International Journal of Research in Signal Processing, Computing & Communication System Design.**
Deep Bidirectional RNNs using GRUs & LSTM Units for Building Acoustic Models for Automatic Speech Recognition.
- **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%

Technical skills

- **Android Programming:** Have 4+ years of experience in Android Development using Java and Kotlin. Familiar with firebase, Room, Kotlin Native, Kotlin Gradle DSL

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 using Microsoft's bot framework that provides flight timings and other details.
- **Game Programming:** 'Pacman, TileMatcher, 2D shooting, Infinity Runner' in Unity and Cocos2D
- **Android:** 'Business App'
Involved in building an android app, BusinessApp to be used as a template application for businesses and companies.

Positions of Responsibility

- 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 general aptitude, programming concepts and languages such as C, C++, Java, Android and Scratch.
- Volunteer at Abhyudaya, a NGO dedicated to teaching underprivileged children.

Awards and Achievements

- Ranked 4th in CodeIT Suisse 2017 Hackathon organised by Credit Suisse.
- 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