# Nishita Dutta

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Github: nish-d, Website: http://nish-d.github.io/

## Education

**Masters in Computing, Computer Science Specialization**  **Singapore**
*National University of Singapore, School of Computing*  *2022–present*

**Bachelors of Engineering in Information Technology, CGPA 8.52**  **Mumbai**
*Sardar Patel Institute of Technology, Andheri*  *2014–2018*

## Work Experience & Internships

**PhonePe**  **January, 2019 - December, 2021**
*Software Engineer, Android, User Onboarding, Recharge and Bill Payments*
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. Developed a dynamic form rendering framework for ease of releasing features on the fly amongst other enhancement projects.

**PhonePe**  **July, 2018 - December, 2019**
*Software Engineer, Mobile Core*
Worked on the build system of consumer facing android application (Kotlin Gradle DSL) and reduced build time by 70%. Reduced app cold startup time by 30%. Designed and developed analytics framework in multiplatform Kotlin Native to collect data about user behaviour and impressions.

**Credit Suisse**  **June, 2017 - August, 2017**
*Technical Analyst Intern*
Worked on Credit Suisses' Algorithm trading engine functionalities. Built a log parsing application using C# and .Net technologies.

**Tata Institute of Social Sciences**  **July, 2016 - October, 2016**
*Mobile App Developer*
Developed an android application for Capacity Building of the Elected Women Representatives (EWRs) of India

**GameEon Infotech Pvt. Ltd.**  **May, 2016 - June, 2016**
*Game Developer Intern*
Built mini games for mobile and desktop platform using Unity3D, Cocos2Dx and Cocos2DJS in languages C#, C++ and Javascript

## 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)*

## Notable Projects

- **Web/Backend:** Team Lead for developing a portal for a national level IOT contest built in Laravel, a PHP framework.
- **Android:** *'Emerge'*
  Developed a mobile application that uses various technologies such as Microsoft's HealthVault SDK, Firebase Realtime Database and other Google API's.

## Positions of Responsibility

- Training and Placement Coordinator at Sardar Patel Institue of Technology
- Mentored a team of 12 students for building a placement/ recruitment portal for the college
- Organised and conducted workshops in college for general aptitude, programming concepts, programming languages and Android App Development.
- 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.
- Amongst top contenders for Credit Suisse's Womens' Excellence Award 2016