# Nishita Dutta

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

## Technical skills

- **Android Programming:** Have 4+ years of experience in Android Development using Java & Kotlin. Familiar with firebase, Room, Kotlin Native, Kotlin Gradle DSL
- **Other technical skills:** Programming Languages like Java, Kotlin, Python, C, C++, Go, Proficient in Git version control, SQL, Designing REST APIs and microservices.

## Work Experience and Internships

- **NinjaVan, Singapore**                                                            **May, 2022 - August, 2022**
  *Software Engineer Intern, Backend*
  Devised new features and designed APIs for a chat bot platform working with technologies such as **Java, Kafka, GoLang.**

- **PhonePe**                                                                       **July, 2018 - December, 2021**
  *Software Engineer, Android*
  Designed and implemented **authentication & authorization** framework for the application. Improved UX & ease of registering on the platform resulting in a 20% jump in the number of successful sign-ups & new users. Constructed a dynamic form rendering framework for ease of releasing features on the fly amongst other enhancement projects. Re-engineered the build system of consumer facing Android application (**Kotlin Gradle DSL**) & reduced build time by 70%. Reduced app cold startup time by 30%. Designed & programmed an analytics framework in **Kotlin Multiplatform** to collect data about user behaviour & impressions.

- **Credit Suisse**                                                                 **June, 2017 - August, 2017**
  *Technical Analyst Intern*
  Developed a log parsing application using **C# & .Net technologies**, for Credit Suisses' algorithm trading engine.

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

## Education

- **National University of Singapore**                                                              **Singapore**
  *Masters in Computing, Computer Science Specialization,School of Computing , CGPA 4.03*               *2022–present*
- **Sardar Patel Institute of Technology**                                                           **Mumbai**
  *Bachelors of Engineering in Information Technology, CGPA 8.52, Andheri*                              *2014–2018*

## Positions of Responsibility

- Graduate Teaching Assistant for AI Planning and Decision Making. Taught a cohort of 40 students, conducted tutorials, designed and graded assignments.
- 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
- Taught and mentored underprivileged children as part of a volunteer network in the NGO, Abhyudaya and also as a Teach Singapore Mentor at Tanglin Secondary School

## 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.*

## Notable Projects

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

## Awards and Achievements

- Ranked 4th in CodeIT Suisse 2017 Hackathon, Credit Suisse & participated in J.P Morgans Code for Good Hackathon
- Qualified for, & participated in ACM-ICPC, Amritapuri 2016 regionals, India