Nishita Dutta

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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 and Internships

NinjaVan **May, 2022 - August, 2022**
Software Engineer, Backend
Software engineer intern for chat bot platform working with technologies such as Java, Kafka, GoLang.

PhonePe **January, 2019 - December, 2021**
Software Engineer, Android, User Onboarding, Recharge & Bill Payments
Developed 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. 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) & reduced build time by 70%. Reduced app cold startup time by 30%. Designed & developed analytics framework in multiplatform Kotlin Native to collect data about user behaviour & 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# & .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

Positions of Responsibility

- Teach Singapore Mentor for school students of Tanglin Secondary School.
- 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
- Volunteer at Abhyudaya, a NGO dedicated to teaching underprivileged children.

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 & 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.
- Amongst top contenders for Credit Suisse's Womens' Excellence Award 2016