Nishita Dutta

+91 7710066051 • nishita_dutta@outlook.com
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*	

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 Suisses' 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 Institue 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