

# Swarup Ghosh

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A student, a hobbyist programmer and a computer science passionate who have always strived to put on within, an analytical bent of mind. The keys to success which I truly believe in would be focus and simplicity. Over the past years, I have developed a programmatic mind, have learned the importance of hard work, and the process of employing generalisation and conceptualisation principles to solve complex problems.

## Education

- Indian Certificate of Secondary Education (**ICSE**) - Delhi Public School Newtown, Kolkata [91 %, 2015], Indian School Certificate (**ISC**) - Delhi Public School Newtown, Kolkata [86%, 2017]
- B.Tech. in **Computer Science and Engineering** - GD Goenka University, Gurgaon [2021]  
Current **CGPA 9.0**

## Skills

- **Personal skills:** creative, adaptive, self-motivating, critical thinking, communicative, flexible, positive attitude, independent
- **Professional skills:** programming, technical, strategic planning, leadership, project management, software development
- **Language skills:** javascript, python, java, C, swift, PHP, SQL, bash
- **Strong areas:** full stack web app development (front-end, **back-end**, **web micro services, with REST API**), asynchronous server side (**node.js**), cloud application development (**Google Cloud Platform**, Amazon Web Services, Heroku)
- **Other areas:** iOS app development using **Swift**, version control using **Git**, **linux** (Debian, RHEL), Docker, raspberry pi programming (basics of IoT, **MQTT**, circuits)

## Activities and Achievements

### High School Projects

- worked at high school to develop web based projects on PHP, mySQL as USG Technical Affairs, Delhi Public School Newtown Model United Nations Conference 2016 (**March-July 2016**)
- developed a web, mobile - hybrid application for a stock exchange simulator with real-time fluctuations and simulated updates for one of the events as Technical Head, Inffinnovation (**September 2016**)
- also had written an iOS app published under the Inffinnovation Stock Exchange Simulator that works similar to the web version, developed using a backend API, node.js and Swift (**April-May 2017**)

- awarded a **letter of appreciation** from Delhi Public School Newtown for related works in app development (**October 2016**)

### College Projects

- developed a backend server for Raspberry Pi and an iOS app that can together work to allow switching household appliances upon relay connection to the Pi GPIO, presented at Science Project Exhibition on Engineering and Design (SPEED), GD Goenka University (**March 2018**)
- working on an IoT based sensor network project under the guidance of university professor, part of which was presented at SPEED exhibition (**October 2018**)

### Other Projects

- developed a pseudo iOS UI like web app featuring a simulated stock and commodity market trader allowing virtual trade for Prayas 17 fest by Christ University, Bengaluru (**January 2017**)

### Work Offers (based on GitHub profile)

- Software Development Engineer II, Amazon India Development Center, April 2016 (invited to attend Code Your Way to Amazon event by [stockroom.io](http://stockroom.io))
- Senior Engineering Talent Community Official, Amazon India Development Center, May 2016 (by Talent Acquisition Team of Amazon India)
- Developer for an Android application powered chat-bot by The Reverly, Kuala Lumpur, Malaysia, October 2016
- Tech startup Quorg Technologies, Mumbai, August 2017
- Backend Engineer, Civil Maps, Hyderabad, September 2017
- US-based startup Toast, November 2017
- Software Developer, Ambab Infotech Pvt. Ltd., October 2018

## Hobbies

- Listening to music
- Meditation and **brisk walks**
- Reading books
- Metacognition
- **Scribbling ideas**
- Solving programmatic problems from scratch
- Formulating fusion of **design and logic**
- Watching **documentary films**

## References

- Dr. Sudipta K. Mishra ([sudipta.mishra@gdgoenka.ac.in](mailto:sudipta.mishra@gdgoenka.ac.in)), Assistant Professor, School of Engineering, GD Goenka University
- Ms. Manisha Saini ([manisha.saini@gdgoenka.ac.in](mailto:manisha.saini@gdgoenka.ac.in)), Assistant Professor, School of Engineering, GD Goenka University