



AB Satyaprakash

Roll No. 180123062

B.Tech. - Mathematics and Computing
Indian Institute Of Technology, Guwahati

satyapra@iitg.ac.in

+91-6370548663

github.com/Imperial-lord

linkedin.com/in/absatya/

Education

| Degree/Certificate | Institute/Board | CGPA/Percentage | Year |
|--------------------|-----------------|-----------------|----------------|
| B.Tech. | IIT Guwahati | 9.06 (Current) | 2018 - Present |
| Senior Secondary | CBSE | 97.6% | 2018 |
| Secondary | ICSE Board | 97.6% | 2016 |

Experience

- **MIT Media Labs** June 2020-Present
Summer Intern <https://git.io/JJGQb>
 - Working on the development of **Coco-Project**, a sister-website to the **Scratch** Project, aimed at facilitation of teaching Scratch online, during the Covid-19 Pandemic.
 - Used **ReactJS** and **Fuse.js** to build a fuzzy-search function for the website, to aid look-up for ongoing or past sessions called **spaces**
- **Technothon** Oct-2019-Present
Online Head <http://bit.ly/2vzFXIL>
 - Revamped the whole website using **Laravel** as back-end. The website had **1 million hits** and was used by over **50k** participants.
 - Developed a user-panel for participating schools, where they can effectively handle the details of registrations from their respective schools.

Projects

- **E'nigme de Confiance** Aug 2019
Technothon <https://git.io/Jv27Y>
 - Designed a game based on Prisoner's Dilemma using **Django** and **SQLite** for about 100 participants of Technothon Mains, 2019. The game was a mathematical modification of the "Evolution of Trust" designed by Nicky Case.
- **CodeForTheGame2019** May 2019-July 2019
Coding Club, IITG <https://git.io/Jv27B>
 - Developed an **Android** application for providing updates regarding the ICC Cricket World Cup 2019. Features included news and statistics updates, fixtures, and a personalized user environment.

Technical Skills

- **Programming Languages:** C, C++, Python, Java*, Dart*
- **Web Technologies:** Laravel, ReactJS, HTML, CSS, JavaScript*, PHP*, Django*
- **Miscellaneous:** Android, Flutter, Git, MySQL
- **Operating Systems:** Windows, Linux*

*Elementary Proficiency

Achievements

- **Internships:** Secured an on-campus summer internship as an **Application Development Intern** at **Oracle'20** becoming one of the **20** shortlisted from over **300** candidates (rescinded due to Covid-19)
- **Competitive Programming Platforms:** Achieved highest rating of **1886** on CodeChef and **1621** on Codeforces
- **Indian National Chemistry Olympiad (INChO) 2018:** Secured an **AIR 48** among the top 400 students all over India for the International Chemistry Olympiad's 2nd Stage conducted by HBCSE
- **Kishore Vaigyanik Protsahan Yojana (KVPY) 2017-18:** Awarded National Research Fellowship by securing a rank of **AIR 699**

Key courses taken

- Data Structures (Theory + Lab)
- Design and Analysis of Algorithms
- Computer Architecture and Organisation
- Database Management Systems
- Financial Engineering
- Probability Theory and Random Processes
- Discrete Mathematics and Number Theory
- Digital Design

Positions of Responsibilities

- **Chief Organizer and Online Head** for Technothon'20, IIT Guwahati
- **City Representative** for Odisha, Technothon'19

Extracurricular Activities

- Actively participated and won in **Music** Band and Solo performances as a part of **Manthan 2019**