



# 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	97.4%	2018
Secondary	ICSE Board	97.6%	2016

## Experience

### • MIT Media Labs

Summer Intern

June 2020 - July 2019

- 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**.

### • Technothlon

Online Head

Oct 2019 - Aug 2020

<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

### • Health App

SWC IIT Guwahati

Aug 2020 - Present

<https://git.io/JJbt3>

- Working on a **Flutter** based application for a hospital in Hyderabad, India, with collaboration of **Students' Web Committee, IIT Guwahati**.
- Features include, booking of appointments, chat and video-calling features, and payment for offline visits. The app also features, videos and blogs released by the hospital for general awareness.

### • E'nigme de Confiance

Technothlon

Aug 2019

<https://git.io/Jv27Y>

- Designed a game based on Prisoner's Dilemma using **Django** and **SQLite** for about 100 participants of Technothlon Mains, 2019. The game was a mathematical modification of the **"Evolution of Trust"** designed by Nicky Case.

### • CodeForTheGame2019

Coding Club, IITG

May 2019 - July 2019

<https://git.io/Jv27B>

- Developed a **Java** based **Android** application for providing updates regarding the ICC Cricket World Cup 2019. Features included news and statistics updates, fixtures, and a personalized user environment.
- Won the **third position** in the hackthon organised by **Coding Club, IIT Guwahati**, for developing this app amongst **40** other teams.

## 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

- Upcoming Internships:** Upcoming Summer Internship at **Oracle '21**.
- Past 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.
- Kishore Vaigyanik Protsahan Yojana (KVPY) 2017-18:** Awarded National Research Fellowship by securing a rank of **AIR 701**.
- Indian National Chemistry Olympiad (INChO) 2018:** Was in the top **1%** of **40000** students who appeared for **NSEC** and were allowed to sit for **INChO**.

## Key courses taken

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- Data Structures
- 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

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

## Extracurricular Activities

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