



AB Satyaprakash

Roll No. 180123062

B.Tech. - Mathematics and Computing
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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

- Worked on the development of a sister-website to the **Scratch** Project
- Used **ReactJS** and **Fuse.js** to build a fuzzy-search function for the platform.

• Technothlon

Oct 2019 - Aug 2020

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

• Health App

Aug 2020 - Present

SWC IIT Guwahati

<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

Aug 2019

Technothlon

<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

May 2019 - July 2019

Coding Club, IITG

<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

- 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

- **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**