



AB Satyaprakash

Roll No. 180123062

B.Tech. - Mathematics and Computing (MC)

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	IIT Guwahati	9.00 (Current)	2018 - Present
Senior Secondary	CBSE Board	97.6%	2018
Secondary	ICSE Board	97.4%	2016

Experience

- **Technothlon** http://bit.ly/2vzFXIL
Online Head Oct-2019-Present
 - 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

- **LogiQ** April 2020-Present
Technothlon https://git.io/JfGpR
 - A **Flutter** based cross-platform quizzing application for Technothlon. Users get to play quizzes on various topics which are largely logic based. The application is currently under development.
- **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 an **Android** application for providing updates regarding the ICC Cricket World Cup 2019. Features included news and statistics updates, fixtures and a personalised user environment.

Technical Skills

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

Achievements

- **Competitive Programming Platforms:** Achieved highest rating of **1809** on CodeChef and **1503** on Codeforces
- **Joint Entrance Examination 2018:** Secured **AIR 2854** from 0.22 million candidates appearing for the examination
- **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 and Extracurricular Activities

- **Chief Organizer and Online Head, Technothlon 2020:**
 - Responsible for smooth conduction of Technothlon (Prelims and Mains) 2020. Involves managing of 500 city representatives, question paper setting, as well as other activities.
- **City Representative, Technothlon 2019:**
 - Conducted Technothlon in Odisha for around 300 participants
- Actively participated in **Music** Band and Solo performances as a part of **Manthan 2019**.