


# Siddhant Attavar


CS @ BITS Pilani | Rise Winner '22 | ICPC World Finals '24 | IOL '22 | APIO '22


## About

  
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Metropolis,  
Mahadevapura,  
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siddhantattavar12@gmail.com

## Personal website

  
Github: SiddhantAttavar

  
LinkedIn:  
SiddhantAttavar

Stopstalk (Competitive  
Programming):  
SiddhantAttavar

## Neurotechnology

EEG EMG BCI  
Signal Processing

## Algorithms

Data structures  
Graph Theory

## Machine Learning

## Programming Languages

Python C++ Java

## Interests

Competitive Programming

Brain Computer Interfaces

Computational Biology

## Experience

06/2024 - Present  
Research Intern, Indian Institute of Technology Kharagpur  
Developed machine learning models in OpenViBE for motor imagery classification in EEG data

10/2023 - Present  
Undergraduate Researcher, SPARKLE, BITS Pilani  
Worked on a Histology-based Breast Cancer Diagnostic Platform using Machine Learning

## Open Source Projects

**SimAID - Simulating and Analyzing Infectious Diseases** · <https://siddhantattavar.com/projects/simaid>  
03/2021 - 02/2022  
A computational epidemiological model designed to help public health policymakers find the optimal balance between public and economic health during pandemics and epidemics

**SMART - Stroke Monitoring And Rehabilitation using Technology** · <https://siddhantattavar.com/projects/smart>  
04/2020 - 06/2021  
A EEG based device that uses brainwave activity and neurofeedback techniques, as well as machine learning to assist stroke patients during diagnosis and rehabilitation

**DriveSafe** · <https://siddhantattavar.com/projects/drivesafe>  
05/2019 - 02/2020  
A mobile application which monitors driving behaviours and identifies reckless driving patterns

## Education

**Birla Institute of Technology and Science Pilani, Pilani Campus**  
08/2023 - 05/2027  
Bachelor of Engineering (Hons.) Computer Science | CGPA: 9.54/10.0

**National Public School, Indiranagar**  
06/2018 - 04/2023  
High School Diploma | 10th: 93.8%; 12th: 96.6%

## Awards

**ICPC World Finalist 2024**  
Inter Collegiate Programming Contest

**Asia Pacific Linguistics Olympiad Bronze 2019,22; Silver 2023**  
Asia Pacific Linguistics Olympiad

**Rise Global Winner 2022 (Top 100/80k)**  
Schmidt Futures, Rhodes Trust

**International Linguistics Olympiad Silver 2022**  
International Linguistics Olympiad

**Asia Pacific Informatics Olympiad Bronze 2022**  
Asia Pacific Informatics Olympiad