Ayush Agarwal

Sophomore Undergraduate,
Computer Science and Engineering,
IIT Kanpur.

B-223/10, IIT Kanpur
8090686935
ayushaga@iitk.ac.in

Education

Year	Degree	Institute	CPI
2017(Expected)	B.Tech, Computer Sc.	IIT Kanpur	8.5/10
2013	HSCE	St.Anselm's Sr. Sec. School	89%
2011	AISSE	St.Anselm's Sr. Sec. School	10/10

Achievements

- AIR-146 in JEE-Advance, 2013.

- Scored 325/360 marks in JEE-Mains 2013.

- NTSE and KVPY Scholar

- Rank-1 in International Mathematics Olympiad(IMO) by SOF.

- Among final 35 students selected for OCSC Camp for International Physics Olympiad(IPhO),2013 .

- Cleared Regional Mathematics Olympiad(RMO) and National Standard Examination in Astronomy(NSEA).

- Secured AIR-8 in stage-1 National Science Olympiad(NSO) by SOF.

- Secured Rank-26 in National Science Talent Search Exam (NSTSE).

- Secured Rank-1 in Mathematics Genius Award (State level competition).

Projects

- **Developing a web-platform**
  - Wrote the backend models and api in scala using the Akka framework for handling http requests, argonaut for dealing with json and slick for dealing with psql database. Established a virtual private networks amongst dockers using weave.

- **Portal for Academic Mentor System for Counselling Service,IITK**
  - A portal using JS , php and mysql for a better interaction of core team, academic mentors and academically deficient students.Used codeignitor (a php framework) for MVC (Model View Controller system) and bootstrap for designing.

- **Application on Delaunay Triangulation**
  - A python gui using Scipy,Tkinter,Numpy and Opengl. Given an image as an input it used to convert it into an image made from very small triangles.

Technical Skills

Languages	Scala, C, C++, Python, Php, Dart
Bash Scripting, Verilog, **Platforms**	Linux, CoreOS, Windows
Tools	HTML, CSS, SCSS, JavaScript, Git, Angular-Dart, Akka, Sbt