SAHIL SINGH | 17CS10047

COMPUTER SCIENCE & ENGG. (B.Tech 4Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2021	B.TECH	IIT Kharagpur	8.80 / 10
2017	CBSE XII (AISSCE)	Shiv Jyoti Senior Secondary School, Kota	90.6%
2015	CBSE X (AISSE)	Delhi Public School, Vindhyanagar	10 / 10

COMPETITION/CONFERENCE

ACM ICPC Amritapuri Regionals 2018

Honorable mention at Asia Amritapuri Regionals 2018 & ranked at 70th position in Asia Kharagpur online qualifiers. Part of the best ranked sophomore team from IIT Kharagpur

Topcoder India Regionals 2019

Qualified for Topcoder Open India Regionals on the basis of performance in the algorithmic contests held regularly.

Google Kick Start 2019

Ranked 161 & 127 in Google Kickstart Round A & D respectively

ACM ICPC Aritapuri Regionals 2019

Honorable mention with a rank of 50 at Asia Amritapuri Regionals 2019

Google Hash Code 2019

National Rank 100 in Google Hash Code 2019

INTERNSHIPS

International Institute of Information Technology, Hyderabad [May 2019 - till date]

- Working as a research intern on Game Theory under Dr. Sujit P. Gujar, IIIT-H.
- Learnt various concepts related to equilibrium in strategic games & mechanism design in various environments.
- Critically analyzed various research papers presented in recent conferences related to auction designing &found minor flaws in 2 of them which were agreed by the authors later on.
- Jointly working with a PhD scholar at IIITH on designing a neural network which maximizes the seller's expected revenue when the probability distribution of bidder valuations are imprecise and then aiming to showcase our findings at International conference on Autonomous agents & Multiagent systems (AAMAS), 2020.

PROJECTS

E-governance System (VOTE) , Android based Application [January 2019 - April 2019]

Guided by Dr. Debasis Samanta, IIT Kharagpur

- Created an application which provides a common platform to the people for voicing out their concerns directly to the elected representatives of the concerned constituency and facilitates their efficient redressal.
- Followed standard software engineering practice by writing an SRS document at the outset and drawing the required UML diagrams to ease out the complicacies involved in designing the application.
- Designed Front end for all the activities in Voter, Representative and Contractor Portals & integrated them with appropriate Layouts & Adapters.
- Managed transitions between all the activities and made sure that only data that is needed is passed on to the next activity to ensure optimal performance of the application.

AWARDS AND ACHIEVEMENTS

Secured All India Rank- 223 in the Joint Entrance Examination (JEE) Advanced, 2017

Secured All India Rank- 94 in the Joint Entrance Examination (JEE) Main, 2017

COURSEWORK INFORMATION

Programming & Data Structures | Algorithms| Graph Theory & Algorithms* | Compilers* | Discrete Structures | Probability & Statistics | Software Engineering | Algorithmic Game Theory* | Formal Language & Automata theory | Computer Organization and Architecture* | Switching Circuits & Logic Design

EXTRA CURRICULAR ACTIVITIES

- Member of the Gold winning Football team for Azad Hall at inter-hall football 2019.
- Part of a 6 member Department feedback Committee which gives a collective feedback regarding teaching methodology, pace of the course &any other matter of concern of the batch to the teachers in monthly meetings.
- Volunteered in a team of 30 for the welfare of 2 villages under National Service Scheme, IIT Kharagpur
- Part of Azad Hall's Athletics and Hockey team for the inter-hall tournaments.