

RISHAV KUMAR

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ACADEMICS

AISSCE, CBSE: Delhi Public School, Ruby Park, Kolkata, India (March 2020)

• Valedictorian in Grade 11. Honor Roll: Physics, Chemistry, Mathematics, Computer Science, English
CISCE, ICSE: St. Xavier's School, Durgapur, India (March 2018)

- Aggregate: 92%; stood amidst the top 1% of the class

ADDITIONAL COURSEWORK

Online Courses taken from Coursera and edX:

- 'Architecting Distributed Cloud Applications' from Microsoft- October 2018, Duration- 4 weeks
- 'Blockchain Fundamentals' from UC: Berkeley- August 2018, Duration- 7 weeks
- 'How Virtual Reality Works' from UC: San Diego- August 2017, Duration- 6 weeks

PROJECTS

DeStore: A Novel Approach to Decentralized Cloud Storage through Peer to Peer Networking using Blockchain (August 2018 - 19)

- Conceptualized and developed DeStore: A Novel Approach to Decentralized Cloud Storage through Peer to Peer Networking using Blockchain. Mentored by Prof. Nandini Mukherjee, Computer Science and Engineering Department, Jadavpur University, Kolkata.
- Adjudged National Winner at the CBSE National Science Exhibition, affiliated with Initiative for Research and Innovation in Science (IRIS), out of 1000 shortlisted projects from the Regional round.
- Received Certificates of Merit and Participation from CBSE for Regional and National performance.

Developed Mixed Reality (VR+AR) software for collaboration in an immersive and real-time interactive virtual environment for business and education purposes (August 2017 - 18)

PUBLICATIONS

- Published Research Paper, [*Decentralized Cloud Storage System through Peer to Peer Networking using Blockchain*](#), in the International Journal of Engineering Science and Computing (ijesc.org) (2019)

SCHOLASTIC ACHIEVEMENTS

- Awarded Certificates of Participation and Appreciation from Intel and National E-Governance Division (NeGD) for the Ideate for India Bootcamp; selected among top 360 out of 70k submissions. (July 2019)
- Received appreciation award of Galileo Gen2 Board from Intel for exemplary performance as India's top 50 Minds in Ideation and Innovation at the Ideate For India Bootcamp. (July 2019)
- Delivered keynote speech on Blockchain at pitching session of the Ideate for India Bootcamp, to inform and motivate academics and students towards it. (July 2019)
- Qualified for Regional Mathematics Olympiad conducted by Tata Institute of Fundamental Research (TIFR) and Homi Bhabha Centre for Science Education (HBCSE). (October 2018)
- Felicitated with Certificate of Merit for securing third position in the Inter-School Materials Quiz organized by Jadavpur University and the IIM, Kolkata Chapter. (August 2018)
- Secured first place in the Inter-school Debate Competition held at DPS Kolkata. (April 2018)

EXTRA-CURRICULAR ACTIVITIES

- Appointed President of the Computer Science Club at DPS Kolkata. Grades 11 and 12. (2018-19)
- Nominated as House Captain in the Student Government at DPS Kolkata; Grades 11 and 12. (2018-19)
- Appointed Member of the Student Government at St. Xavier's School; Grades 9 and 10. (2016-18)
- Member of the School Choir and Band at DPS and St. Xavier's School; Grades 9 to 11. (2016-18)

COMMUNITY SERVICE

- Volunteered in the Government of India: *Sarva Shiksha Abhiyan* (Education for All). (May 2019)
- Organized Cultural Fests for the Natural Heights Residents' Welfare Society, Durgapur. (2016-18)
- Volunteered as Logistics Head of Interact Club, DPS; organized education drives for underprivileged children and raised funds for retirement homes and orphanages. (2016-18)

TECHNICAL SKILLS

Coding: Java, C++, Python, HTML, Unix, Socket Programming and Peer to Peer Networking
VR Development: Unreal Engine and Unity 3D platforms
3D Modelling: Autodesk 3ds Max, Blender, Maya, and SketchUp
Platforms: Arduino, Node MCU's, and IoT Implementations