

## **Rishav Kumar**

### **Delhi Public School Ruby Park, Kolkata.**

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#### **ACADEMIC QUALIFICATIONS**

- Pursuing Grade 12 in Delhi Public School (DPS), Ruby Park, Kolkata; Central Board of Secondary Education (CBSE); Expected Completion: July 2020.
- Completed Grade 10 from St. Xavier's School, Durgapur-10; Indian Certificate of Secondary Education (ICSE); Aggregate Percentage: 92 % (Top 1% of Class)

#### **ACADEMIC AWARDS / ACHIEVEMENTS**

- Received Certificates of Merit and Certificates of Participation from CBSE, for Project on "DeStore: A Novel Approach to Decentralized Cloud Storage through Peer to Peer Networking using Blockchain" for both regional and national project demonstration and was the National Winner at the CBSE National Science Exhibition held at Delhi.
- Received Certificate of Merit in the Inter-School Materials Quiz organized by the IIM, Kolkata Chapter and Jadavpur University, Kolkata. Secured 3<sup>rd</sup> position.
- Received Certificates of Participation and Appreciation from National E-Governance Division(NeGD)and Intel for the Ideate for India Regional Bootcamp which was held from 5<sup>th</sup> of July to 8<sup>th</sup> of July.
- Secured First position in the School Debate Competition in Grade 10, at St. Xavier's School.

#### **RESEARCH AND PROJECT WORK**

- Developed Mixed Reality (VR+AR) software for collaboration in an immersive and real-time interactive virtual environment for business and education purposes, since August 2017.
- Created DeStore: A Novel Approach to Decentralized Cloud Storage through Peer to Peer Networking using Blockchain. Mentored by Dr. Goutam Sanyal, National Institute of Technology, Head of Computer Science and Engineering Department.

#### **TECHNICAL SKILLS**

- Coding in Java, C++, Python, and Socket Programming and Peer to Peer Networking.
- Virtual Reality (VR) Development on Unreal Engine and Unity 3D platforms
- 3D Modelling on Autodesk 3ds Max, Blender, Maya and SketchUp.
- Worked on Arduino, NodeMCU's and IoT Implementations. Received Commendations and an Intel Galileo Gen2 board from Intel for exemplary performance at the Ideate for India Regional Bootcamp.

#### **EXTRA-CURRICULAR ACTIVITIES**

- Head of Competitive programming at the Computer Club in DPS Kolkata: Represented the school in the CBSE National and Regional Level Science Exhibition and won accolades for the same.
- Selected among 360 students for the Ideate for India Regional Bootcamp.
- Spoke on Blockchain at the Ideate for India Regional Bootcamp so as to motivate young minds towards it and inspire. Mentored students from all Diversities and presented my project DeStore to all the government-appointed mentors present there.
- Member of the Student Government in St. Xavier's School: Undertook the coordination of events at school, and represented the school at inter-school events; Grade 9 and 10.
- Member of the School Choir and Band at DPS and St. Xavier's School; Grade 9, 10, and 11.
- Was a part of organizing the Golden Jubilee Celebration at St.Xavier's School and coordinated all events of relevance.

#### **COMMUNITY SERVICE**

- Organized Cultural Fests for the Natural Heights Residents' Welfare Society, Durgapur-13, since 2016.
- Participated in Social Service at St. Xavier's School and Interact Club, DPS. Raised funds for retirement homes and orphanages, and organized education drives for underprivileged children. (2016-18)
- Volunteered for 3 weeks: Government of India mission, Education for All movement, July 2017.

**ADDITIONAL COURSEWORK**

Online Courses taken from Coursera and edX:

- 'Blockchain Fundamentals' from UC: Berkeley: August 2018, Duration- 7 weeks
- 'How Virtual Reality Works' from UC: San Diego: August 2017, Duration- 6 weeks
- 'Principles of Machine Learning' from Microsoft: October 2018, Duration- 4 weeks