

SURYA CHAUDHARY

📍 Jammu 📞 +91 9258084068 ✉ 2021umt0194@iitjammu.ac.in

DOB: 1-Jan-2005 [in](https://www.linkedin.com/in/surya-chaudhary-6827ab242/) in/surya-chaudhary-6827ab242/ <https://github.com/SURYA-CHAUDHRY>



EDUCATION

Course	Institute	Year of Passing	Result
B.Tech (Major: Materials , Minor: CSE)	IIT Jammu	Expected 2025	7.86 CGPA (Till 6th Semester)
12th Standard	Shri Sai Public School, Dilar	2021	94%
10th Standard	JNV Moradabad	2019	96%

SCHOLASTIC ACHIEVEMENTS

- Competed against approx. 16 lakh candidates and secured All India Rank **(AIR) 14688** in JEE Advanced 2021
- Cleared the written National Defense Academy (NDA) exam twice in 2020 and 2021.
- Competed against approximately **12 lakh** candidates and passed the National Talent Search Exam stage 1 in 2019

WORK EXPERIENCE

Research Intern

Indian Institute of Technology, Bombay (May 2024 - Jun 2024)

- Analyzed the concentration of the Sb (Antimony) in the InAs (Indium Arsenide) Quantum dot heterostructures.
- Enhanced the result by prefiltering, background correction and postfiltering before EDX quantification of the spectrum.
- Interpreted the top part of the truncated pyramidal shape of the QD to get more accurate results after EDX quantification.
- Calculated a concentration ratio of **1.52** for the intensity counts of **In (L α)** and **In (L β 1)** after deconvoluting the peaks.

PROJECTS

Amazon Clone Website

Full Stack Developer, IIT Jammu (May 2024 - Present)

- Developed a full-featured e-commerce platform replicating the core functionalities of Amazon like product browsing, checkout, cart items, payments, user authorization and authentication
- Programmed **React** to develop dynamic UI and **Firebase** for scalable backend, gaining experience in building web applications.

Portfolio Website

IIT Jammu (Mar 2023 - Present)

- Explored the basic knowledge of infrastructure of hosting on **github** and web browsing technology of a website
- Specialized in use of **HTML5**, **CSS** and **JavaScript** to build, design and customise the format and contents of webpage

SKILLS

Programming Languages C++, Python, HTML, ReactJs, Bootstrap, SQL, Javascript

Softwares Git, Onshape, Origin, Digital Micrograph, Velox, Abaqus

Courses Database and Management System , Financial Markets, Data Structures and Algorithms

ADDITIONAL INFORMATION

Certifications

- Merit Rank Forest Department of India Green Olympiad authorized by Forest Department of India
- Ranked in top 250 scholars from 600+ JNVs in Ex-Navodaya Foundation Test for free JEE Coaching Program 2019

Professional Development

- Programming for Everybody, University of Michigan, an online project authorized and offered Coursera Network
- Foundations of Cybersecurity course, an online project authorized by Google and offered through Coursera
- Investment Risk Management, an online non-credit project authorized and offered by the Coursera Project Network

Extracurricular Activities

- Participated as part of the Institute Table Tennis Team in the Inter IIT Sports Meet 2022-2023 and 2023-2024.
- Succeeded in reaching the quarterfinals of the state-level Competition organised by Jammu & Kashmir Police in 2022
- Competeted in the Table Tennis National Meet organised by Navodaya Vidyalaya Samiti representing Lucknow Region.



Verified by IIT JAMMU