

# SURAJ SHARMA

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## Education

### RGSOIPL, IIT KHARAGPUR

*LL.B in Intellectual Property Rights. CGPA : 7.04/10*

2024 – 2027

Kharagpur, West Bengal

### Birla Institute of Technology

*Integrated Master in Mathematics and Computing, CGPA 8.11*

2019 – 2024

Ranchi, Jharkhand

### Vivekananda Vidya Mandir, Ranchi

*AISSCE XII, Percentage - 85.6*

2018 – 2019

Ranchi, Jharkhand

## Work Experience/Internships

Advocate Kushal Kumar Agarwal and Associates | Legal Intern

December 2024 📄 CERTIFICATE

#### • Key Contributions:

- \* Hands-on **Courtroom Exposure Case Analysis**: Assisted a senior lawyer in high-stakes litigation, conducting in-depth research across diverse legal domains, including:
  - Family Law and Defamation Battles: Evaluated *Ashish Banka vs. Nisha Gupta*, navigating divorce complexities and reputational damage claims.
  - Cybercrime and Insolvency: Examined *Manoj Kumar vs. JTDC*, dissecting corporate financial distress and digital fraud.
  - Criminal Law and Forensic Investigation: Analyzed *Patras Oraon vs. State of Jharkhand*, delving into black magic-related homicide and evidentiary standards.

Caarya | Front-End Developer (Executive Cadre)

January 2024 – May 2024 📄 CERTIFICATE

• **Technologies**: Image Processing Techniques, React, CSS, JavaScript, OpenCV.

#### • Key Contributions:

- \* Developed a User-Friendly **QA Platform** with optimized front-end interfaces using **React, Material-UI, CSS, and JavaScript**, ensuring seamless user experience and cross-browser compatibility.
- \* Engineered Full-Stack Solutions, managing databases and employing diverse coding methodologies for efficient front-end and back-end integration.

## Project

AUTOGENZ | ReactJS, Firebase, Google Auth, Firestore

Live

- Developed a Responsive Car Owners' App with **Google Auth, multi-room chat** by car model, and a Premium **Q and A** section featuring local mechanic contacts.
- Enhanced User Engagement Experience by enabling discussions on issues, costs, and ownership insights. Integrated **Firestore** for real-time messaging and deployed on **Firebase Hosting**.

Research Project | NumPy, MATLAB, LaTeX

Live

- Convergence analysis of jacobi spectral projection methods for Hammerstein integral equations of mixed type.
- This paper investigates the **Jacobi spectral Galerkin method's application** in approximating solutions to **Hammerstein integral equations** of mixed type. Our analysis focuses on evaluating the convergence behaviour of the approximated solutions concerning both the infinity norm and the weighted L2 norm. Utilized LaTeX for documentation, MATLAB for numerical simulations, and NumPy for computational analysis.

## Technical Skills

**Legal Research Tools**: SCC Online, Manupatra, and CIS

**Languages**: Java, C, JavaScript, SQL, XML

**Technologies/Frameworks**:: OpenCV, Material-UI, ReactJS, Microsoft Excel, PowerBI

**Developer Tools**: VS Code, IntelliJ Idea Ultimate

**Relevant Coursework**:: Operating Systems, Database Management System (DBMS), Computer Networks, OOPS Concept

## Achievements

- Achieved a stellar **LeetCode rating of 1,715**, showcasing exceptional problem-solving skills and advanced algorithmic expertise.
- Secured ALL India Rank 8 in nationwide case study competition organised by **StrategiX 2023 (SVNIT, Surat)**.
- Secured 2 nd rank in Young Scientist Talent Test organised by UNI-GLOBAL technologies inc.
- Secured **1 st rank** in Indian Heritage Knowledge Test at school level.

## Extracurricular

National Service Scheme (NSS)

2019 – 2022

- Volunteered in the **Village Education Program**, educating underprivileged children, fostering **community building** and **service learning**.