



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	B.TECH	IIT Kharagpur	8.10 / 10
2019	All India Senior School Certificate Examination	Ramakrishna Mission Vidyapith, Deoghar	92.8%
2017	All India Secondary School Examination	DAV Public School, Deoghar	10 / 10

## INTERNSHIPS

<b>Software Development Engineer Intern   Samsung R&amp;D Institute India - Delhi</b>	<b>[May'23-Jul'23]</b>
<ul style="list-style-type: none"><li>Developed language learning web application using <b>Reactjs</b> for state management and <b>Nodejs, Expressjs</b> to build server-side application</li><li>Employed <b>ffmpeg</b> to extract <b>10-sec</b> frame from a video and transcribed it to text using <b>Whisper OpenAI NLP</b> model with <b>96% accuracy</b></li><li>Utilized <b>nlTK</b> to dynamically assign grammatical tags to each word, and presented in a tabular format within <b>10-15 sec</b> model running time</li><li>Integrated <b>dictionaryapi</b>, showcasing comprehensive word information in modal interface and automated the project using <b>batch</b> script</li></ul>	
<b>Technology Analyst Intern   Hippiees (India's first automated Online Visa Application Process Platform)</b>	<b>[Jan'23-Mar'23]</b>
<ul style="list-style-type: none"><li>Enhanced the visa service website by fixing bugs, improving performance, adding animations, and maintaining scripts for <b>MYSQL</b> database</li><li>Handled POST requests along with handling exceptions upon user registration utilizing <b>middlewares</b> for the secured file handling in <b>PHP</b></li><li>Executed seamless deployment of the website via <b>FileZilla</b>, leveraging the <b>Apache server</b> for reliable hosting with uninterrupted access</li></ul>	

## PROJECTS

<b>Blog-Vista: Blog Website   Self-Project</b>	<b>[Jul'23-Sep'23]</b>
<ul style="list-style-type: none"><li>Developed a blogging website where users can <b>post</b> their blogs after <b>signing up</b> (login/register), and give <b>feedback</b> on other users' blogs</li><li>Made responsive UI using <b>Material-UI, React</b> for dynamic component rendering, and optimized API interactions using <b>Axios</b> interceptors</li><li>Established backend with an <b>Express (Node)</b> server, incorporating <b>middlewares</b>, and connecting to <b>MongoDB</b> for seamless data storage</li><li>Built <b>RESTful</b> API routes and controllers, handling comments &amp; posts, employed <b>JWT</b> for secure authentication, and <b>Bcrypt</b> for hashing</li></ul>	
<b>C++ Online Compiler   Self-Project</b>	<b>[Oct'22-Nov'22]</b>
<ul style="list-style-type: none"><li>Built an efficient online C++ compiler platform, facilitating seamless compilation and execution of cpp code within a <b>Node.js</b> environment</li><li>Ensured secure execution of each instance of the cpp code within <b>Docker</b> runtime, ensuring the security &amp; isolation of the hosting device</li><li>Established authentication using <b>JWT, Bcrypt</b> hashing, <b>Nodemailer</b> for OTP-based email verification, and <b>MongoDB Atlas</b> for data storage</li></ul>	
<b>Educate-Bharat: E-learning Website   Self-Project</b>	<b>[Apr'22-Jun'22]</b>
<ul style="list-style-type: none"><li>Developed a course-centric website hosted on <b>Render</b> which offers course and educator details, registration, <b>login</b> and <b>logout</b> features</li><li>Employed <b>HTML, CSS, Handlebars</b>, and <b>Javascript</b> for frontend development, while utilising <b>Node.js, Express.js</b> for backend integration</li><li>Incorporated <b>MongoDB</b> database with <b>Mongoose</b> library, facilitating registration, and leveraged <b>MongoDB Atlas</b> for cloud data storage</li><li>Implemented security using <b>Bcrypt</b> for password hashing, email validation through <b>Validators</b>, and employed <b>JWT</b> for user authentication</li></ul>	
<b>Automatic Lighting System   Course Project   Prof. Prajit Nandi</b>	<b>[Jan'23-Apr'23]</b>
<ul style="list-style-type: none"><li>Designed an automated room and street lighting system based on human presence using Infrared <b>sensor</b>, and real-time person-tracking</li><li>Calculated BOM cost (Rs. <b>920</b>), conducted compatibility tests, discussed pin configurations, and analyzed battery life (range: <b>16</b> to <b>32</b> hrs)</li><li>Executed a simulation in <b>Proteus</b>, integrating it with <b>Arduino</b> IDE's coded solution, and successfully implemented hardware simulations</li></ul>	

## COMPETITION/CONFERENCE

<ul style="list-style-type: none"><li>Achieved rating of <b>1450 (specialist)</b> on <b>Codeforces</b> (@Shreyans_6_5) and <b>1711</b> on <b>CodeChef</b> (@shreyans_1), global coding platforms</li><li>Secured global rank <b>1307</b> in Polynomial Round 2022 (<b>Div. 1 + Div. 2</b>) and <b>1343</b> in <b>Codeforces</b> Round 839 (Div. 3), among <b>25k</b> participants</li><li>Attained a global rank of <b>99</b> in May Long One 2022 Division 3 and <b>462</b> in Starters 59 Division 2 (<b>CodeChef</b> contest) among <b>20k</b> participants</li><li>Obtained an All India Rank within the top <b>3.5%</b> (among <b>170k</b>) in JEE Advanced 2020 and top <b>1%</b> (among <b>1.2 million</b>) in JEE Mains 2020</li><li>Secured <b>State rank 7</b> in the International <b>Olympiad of Mathematics</b> 2018 and <b>State rank 16</b> in International Olympiad of <b>Science</b> 2018</li></ul>	
---	--

## SKILLS AND EXPERTISE

**Languages:** C++, Python, HTML, CSS, Javascript, Typescript, SQL, PHP | **Softwares/Tools:** Git, GitHub, Postman, MS Office, Figma, Filezilla  
**Frameworks/Libraries:** Reactjs, Nodejs, Express.js, MongoDB, Mongoose, Recoil, Tailwind, Bootstrap, NlTK, Pandas, Material UI, Docker

## COURSEWORK INFORMATION

Data Structures and Algorithms (Algozenith) | Computer Networks | Operating System | Object Oriented Programming System | Database Management Systems | Probability and Statistics | Financial & Legal Aspects of New Technology Ventures | Data Science with Python (IBM)

## POSITIONS OF RESPONSIBILITY

<b>Sponsorship and Marketing Head   Space Technology Students Society</b>	<b>[May'22-Apr'23]</b>
<ul style="list-style-type: none"><li>Spearheaded India's largest space-tech fest with participation of <b>500+ offline</b> and <b>2000+ online</b> enthusiastic individuals across the nation</li><li>Negotiated and finalized <b>18</b> strategic sponsorship agreements, along with the marketing of the fest with <b>5</b> media and outreach partners</li></ul>	
<b>Senior Editor   Technology Literary Society</b>	<b>[Jun'22-May'23]</b>
<ul style="list-style-type: none"><li>Supervised and efficiently coordinated with <b>40+</b> juniors to ideate, execute, and successfully release production across various platforms</li><li>Pioneered society activities like organizing Kavyasandhya and Kavyanjali events for <b>250+</b> literary enthusiasts, fostering the literary culture</li></ul>	

## EXTRA CURRICULAR ACTIVITIES

<ul style="list-style-type: none"><li><b>Tech:</b> Designed and developed HJB hall website, serving as a key member of hall web team providing regular information to hall boarders</li><li><b>Socult:</b> Attained <b>5th</b> position among <b>18</b> participating halls in the General Championship of the year 2023 in Hindi <b>Elocution</b> Competition</li><li><b>Sports:</b> Achieved <b>Runner-up</b> position in Intrahall <b>table tennis</b> competition and participated in Interhall Cricket in academic year 2021-22</li></ul>	
--	--