SHREYANS

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LinkedIn   portfolio   GitHub   CODEFORCES   InterviewBit

EDUCATION

Degree	Institute	CGPA/Percentage	Year
B.Tech (Electrical)	Indian Institute of Technology, Kharagpur	8.10	04/2024
AISSCE (Class XII)	Ramakrishna Mission Vidyapith, Deoghar	92.8%	04/2019
AISSE (Class X)	DAV Public School, Deoghar	10.0	03/2017

INTERNSHIPS

- **SDE Intern** | **Samsung R&D Institute, Delhi** | *certificate*:   May'23 - July'23
  - Developed language learning web application using **Reactjs** for the frontend and **Nodejs, Expressjs** for backend development
  - Employed **ffmpeg** to extract a 10-sec frame and transcribed it to text using **Whisper** OpenAI NLP model with **96%** accuracy
  - Utilized **nltk** to dynamically assign grammatical tags, and presented in a tabular format within **10-15** sec model running time
  - Integrated **dictionaryapi**, showcasing each word information in modal interface, and automated the project using a **batch** script

- **Technology Analyst Intern** | **Hippiees** | *certificate*:   Jan'23 - Feb'23
  - Enhanced the visa service website and improving lighthouse performance by **3%**, and maintaining scripts for **MYSQL** database
  - Handled HTTP methods with handling exceptions on user registration utilizing middlewares for the secured file handling in **PHP**
  - Executed deployment via **FileZilla**, leveraging the Apache server for reliable hosting and handling queries through PhpMyAdmin

PROJECTS

- **Blog-Vista: Blog Website** | *github*:   Jul'23-Sep'23
  - Developed a blogging website where 10+ users posted blogs after signing up (login/register), & given feedback on other's blogs
  - Engineered a responsive UI with **Material-UI** & **React** to enhance experience, resulting in a 40% decrease in page load times
  - Established backend with an **Expressjs server**, incorporating **middlewares**, and connecting to **MongoDB** for the data storage
  - Built **RESTful API** routes & controllers, handling 100+ comments, employed **JWT** for authentication, & **Bcrypt** for hashing

- **C++ Online Compiler** | *github* | *Link*:   Oct'22-Nov'22
  - Built C++ online compiler hosted on **AWS**, facilitating compilation and execution of cpp code within the **Nodejs** environment
  - Ensured secure execution of each instance of the code within **Docker** runtime, ensuring the security & isolation of the device
  - Established authentication with **JWT**, **Nodemailer** for 6-digit OTP email verification, and **MongoDB Atlas** for data storage

- **Educate Bharat: E-learning Website** | *github* | *Link*:   Apr'22-Jun'22
  - Hosted the website on **Render** with 20+ students data which offers course details, registration, login, and logout features
  - Employed **HTML, CSS, Handlebars**, and **Javascript** for frontend development, while utilizing **Nodejs, express** for backend
  - Incorporated **MongoDB** with **Mongoose**, facilitating 20+ registration, & leveraged **MongoDB Atlas** for cloud data storage
  - Implemented **Bcrypt** for password hashing with 10 rounds of salting, validators for validation, and **JWT** for user authentication

- **Automatic Lighting System** | **Course Project** | **Prof. Prajit Nandi** | *Presentation*:   Jan'23-Apr'23
  - Designed an automated lighting system based on human presence using IR sensor, and real-time tracking in a team of 3 members
  - Calculated BOM cost (Rs. **920**), conducted compatibility tests, pin configurations, and analyzed battery life (range: **16 - 32** hrs)
  - Executed Proteus simulation with **500 ms** lag, integrating with Arduino IDE's coded solution, and implemented the hardware

AWARDS AND ACHIEVEMENTS

- **1**: Achieved rating of **1450** (specialist) on **Codeforces** (@ Shreyans_6_5) and **1711** on **CodeChef** (@ shreyans_1
- **2**: Secured global rank **1307** in Polynomial Round 2022 **(Div. 1 + Div. 2)** and **1343** in Codeforces Round 839 (Div. 3)
- **3**: Attained a global rank of **99** in May Long One 2022 Division 3 and 462 in Starters 59 Division 2 (CodeChef contest)
- **4**: Secured an AIR within top **3.5%** (among 170k) in **JEE Advanced** 2020 and top **1%** (among 1.2million) in **JEE Mains** 2020
- **5**: Obtained **State rank 7** in International Olympiad of Mathematics 2018 and **16** in International Olympiad of Science 2018

SKILLS AND COURSES

- **Courses**: Data Structures, Algorithms, OOPS, Operating Systems, Computer Networks, DBMS, Probability & Statistics
- **Languages**: C++, Python, HTML, CSS, Javascript, Typescript, SQL, PHP
- **Softwares/Tools**: Git, GitHub, Postman, PhpMyAdmin, MS Office, Figma, Filezilla, LaTex
- **Frameworks/Libraries**: Reactjs, Nodejs, Expressjs, MongoDB, Tailwind, Bootstrap, Nltk, Pandas, Material UI, Docker

POSITIONS OF RESPONSIBILITY

- **Sponsorship and Marketing Head: Space Technology Students' Society**: | *Proof*   May'22 - Apr'23
  Spearheaded India's largest space-tech fest with **2000+** participants, in addition to finalizing **23** strategic sponsorship agreements

- **Governing Member: Technology Literary Society**: | *Proof*   Jun'22 - May'23
  Pioneered society activities like organizing Kavyasandhya and Kavyanjali for **250+** literary enthusiasts, fostering literary culture