SCHOLASTIC ACHIEVEMENTS

🏆 Awarded **3 AP** (Advanced Performer) and **16 AA** grades for exceptional performance *(2021)*
🏆 Received **Institute Academic Prize** (top **20** of CSE Batch) for stellar academic performance *(2021)*
🏆 Secured **All India Rank 6** in **JEE Advanced** amongst 1,50,000 candidates *(2020)*
🏆 Secured **All India Rank 111** in **JEE Main** (B.Tech) amongst 9,20,000 candidates *(2020)*
🏆 Received the **Reliance Foundation Scholarship** alongside **80** other candidates *(2020)*
🏆 Qualified for **Indian National Physics Olympiad** alongside **457** other students. *(2019)*
🏆 Selected for **Kishore Vaigyanik Protsahan Yojana Exam**, ranking **73rd** in the aptitude test *(2019)*

WORK EXPERIENCE

Websites for ISI, Delhi | TS | ⓐ | *Freelance Assignment* *May 2023 - July 2023*
➜ Frontend Developer
- Designed and implemented two modular and responsive websites for Indian Statistical Institute, Delhi with **Angular**.
- Abstracted design and implementation code from the content to minimize the effort necessary for updating the site.
- Led a watchful and thoroughly function deployment of the sites on their server, clearing multiple hurdles.

**Quadeye Securities LLP** | C++ | ⓡ | *Internship* *May 2023 - July 2023*
➜ Quant Strategist
- Designed and implemented a minimalist trade simulator in **R**, **C++** and **RCpp** to test strategies.
- Wrote dozens of bash and R scripts to manipulate and analyze input and output data files spanning dozens of gigabytes.
- Tested several different strategies, varying order types and equity-futures arbitrage choices.

WinZO Games | TS | ⚛ | 👁 | 🗡 | *Internship* | *Mr Abhishek Goyal, Mr Vasu Vardhan* *May 2022 - July 2022*
➜ Backend Developer
- Designed and implemented unit testing suite from scratch for one of the key services using **Jest**.
- Implemented time-efficient endpoints for player skill update using prefix sums in **Apache Cassandra**.
- Undertook research tasks: automated syntax documentation of API endpoints and extraction of debug logs from packages; with their solutions shared via **Confluence** and a privately published package.
- Carried out various routine activities such as forwarding one service's endpoints to another, connecting databases to back-office application and migrating services from previous tech-stack.

Bodhitree | ⚛ | JS | *RnD* | *Prof. Kamewari Chebrolu* *January 2022 - April 2022*
➜ React native application for a Learning Management System
- Designed and implemented core app navigation structure with nested stack navigators and drawers.
- Implemented custom components to engage users with content such as a video player and question widgets.
- Produced a final release build covering all of the course content permissible with the API's status quo.
- Implemented consistent styles across the app for dark and light modes.

PROJECTS

Educare | 🐍 | django | TS | ⓐ | *Course Project for CS251* | *Prof. Amitabha Sanyal* *Sept - Nov 2021*
➜ Modular website for course instruction (a Learning Management System)
- Assembled a **full-stack website** for course management in institutes for higher education
- Administered a well-organized **CRUD API** in **Python with Django**
- Helped build a smooth front-end application in **Angular**
- Organized appreciable database plans to optimize storage requirements

CoReader | ◁ | 🔵 | 🐍 | django | *Personal Project* *Jan 2022, June 2022*
➜ Glossary and note-making **flutter** app for attentive readers.
- Implemented an intuitive and compact UI, with **cubits** for state management.
- Integrated **Google OAuth2.0** in the app and server, along with other APIs to get book covers and word definitions.
- Implemented a **Django** app for remote back up of user data.
- Made use of **python decorators** for simplifying authentication protocols.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, Typescript, Java, Dart, Bash, VHDL, Prolog, SED, AWK, Assembly
Frameworks or Libraries: FLTK, OpenCV, Django (and Rest Framework), Numpy, PyTorch, OpenCV, Selenium, Angular, Electron, Socket.io, Express, React, React Native, Android Development, Flutter
Applications: DataGrip, pgAdmin, MS Office, Visual Studio, Visual Studio Code, Android Studio, Heroku.
Others: GitHub, AWS Amplify, GDB, CMake, Regex, Latex, Prolog, AutoHotKey Scripting, Confluence, Jira.