

**EDUCATION**

B.TECH in Engineering Physics with Minor in Computer Science	2020-2024	Delhi Technological University, NW Delhi	8.5 (CGPA)
CBSE (Class XII)	2020	CR OASIS Sr Secondary School, SW Delhi	90%
CBSE (Class X)	2018	Loyola High School	89.4%

**PROFESSIONAL EXPERIENCE****Coding Ninja | Teaching Assistant Intern | Delhi**

| June 2022 - Sep 2022 |

- Teaching assistant in Foundation batch at Coding Ninja
- Helped CS and IT undergrads with Data structures Algorithms and problem solving related skills.
- Solved 500+ doubts with average student rating 4.64/5.

**PROJECTS****RSS Aggregator using Golang**

- Created a secure **API key-based authentication system**, using **PostgreSQL** for data storage, and integrated a Go programming language RSS aggregator with **Chi router**.
- Designed and implemented many-to-many relationships within the PostgreSQL database to represent complex data connections.
- Engineered an aggregation worker for real-time feed updates and enabled users to access and view blog posts on the platform.

**StudyNotion Website [Link](#)**

- Made a fully functional ed-tech platform in collaboration that enables users to create, consume and rate educational content.
- Built the platform using **MERN** stack which includes **MongoDB, ExpressJS, NodeJS, ReactJS**
- Implemented user authentication and authorization enabling secure **sign-up, login** and **OTP** verification for added security. Used **JWT** for secure authentication and implemented **MVC** structure to enhance code maintainability.
- Developed course management functionalities allowing instructors to **create, update, delete** courses and manage content using **RESTful APIs** calls while enabling students to view and rate courses.

**Satellite Image Segmentation using Autoencoders**

- Explained **autoencoders** foundational concepts and relevance in unsupervised learning, data compression, and feature visualization.
- Demonstrated practical implementation through code examples, showcasing satellite image segmentation with autoencoders.
- Trained autoencoders and utilized encoder weights to enhance **U-Net architectures**.
- Showcased strong grasp of **advanced neural network techniques** and their practical application in image analysis.

**TECHNICAL SKILLS****Languages:** C++ | Golang | Python | SQL | Matlab | HTML | CSS | JavaScript**Frameworks:** NodeJS | ExpressJS | PyTorch**Tools:** VS Code | GITHUB | Simulink | Tableau**Database:** MySQL | MongoDB**COURSEWORK****DBMS, Data Warehousing and ETL, Data Structures, Algorithm Design and analysis, Computer Networks, OOPS, Operating System.****ACHIEVEMENTS**

- Have solved 500+ questions of DSA on various platforms
- Secured State rank 3 in National Science Olympiad
- Co-Head of Logistics in Engifest 2022
- Won Best Guitarist from Prayagraj Sangeet Samiti
- Codeforces rating - 1200, Codechef rating - 1600, Leetcode rating - 1600

**CERTIFICATIONS**

- Machine learning - Stanford University
- Introduction to Artificial Intelligence - IIT Delhi
- Financial Analyst and Investment Course - Hult University School of Business