

## PROFILE

Driven engineer and frontend developer with a passion for crafting innovative solutions. Specializing in projects ranging from intuitive UI/UX designs for events to spearheading complex engineering endeavors. Proficient in React.JS, AI integration, and creative problem-solving.

## EDUCATION

**Bachelor of Technology - Computer Science and Engineering** 2022 - 2026

*Shiv Nadar University, Delhi NCR*

- Secretary - Association for Computer Machinery
- Core, Coordinator - Google Developer Student Club  
(Lead a 50+ member team & designed creatives including UI for Flagship Event - Labyrinth)

**Senior Secondary - High School (X, XII)** 2020, 2022

*Seth AnandRam Jaipuria School, Kanpur*

- Head Boy - Student Council
- President - Jaipuria Computer Club's Comfest

## EXPERIENCE

**Summer Intern** | *IIT Kanpur* June 2024 - Present

- Under Prof. Amey Karkare, building an Intelligent Tutoring System, which involves enhanced Data Analytics and Visualizations for Admin and the teaching staff, of the students at IIT Kanpur.
- *Skills, Tech & Tools:* React.JS, D3.js, MySQL, Django, Flask, SchemaPy, Python, Pandas, Scikit-learn, Matplotlib, Langchain, Docker

**Engineer and Frontend Developer** | *SNUxplore - [snuxplore.com](#)* Aug 2023 - May 2024

- Co-headed a team, to design and build a fully responsive engineering solution catering to students of Shiv Nadar University (SNU).
- Main features: Location Database with GMaps, SNU-GPT: personalised AI chatbot answering all questions about SNU, Admin & Security Information and Database.
- *Skills, Tech & Tools:* React.JS, SCSS, API Integration, AI Chatbot, Figma

**UI - UX Designer** | *TedX - Shiv Nadar University* June 2023 - Sept 2023

- Built a fresh new interface and design system for the entire website as per the event's theme.
- Added UX Principles and eased Payment Gateway user-flow.
- *Skills, Tech & Tools:* Figma, User Experience, Design System, Wireframing, Prototyping

**Full Stack Developer** | *Crooked Lines* Feb 2023 - April 2023

- Worked with Shiv Nadar University's Admin to build a National Level Competition and host Events
- Frontend Web Pages, Payment Integration, Database Management.
- *Skills, Tech & Tools:* React.JS, Tailwind CSS, Figma

## RECENT PROJECTS

**CCTV Detection - Criminal Activities & Mob Formation** | *Project* March 2023 - Present

- A live all-round prediction model which predicts or identifies any foul, criminal activity by accessing behaviors and movements. Identifies unwanted, risky objects. Predicts mob formation too.
- Structure follows object and human detection. Identifying end points.  
Analyzing end points for gestures and behaviors. Prediction using database and training dataset.
- *Skills, Tech & Tools:* JupyterNotebooks, PyTorch, TensorFlow, OpenCV, YOLOv5, OpenPose, Conda, COCO Dataset, Google Colab, Cognitive Science

**Music Library Management** | *Project* Feb 2024 - May 2024

- Similar to Spotify Clone, built a full stack web app highlighting Database Management.
- Major features: Playlists, Top Genres/Artists, Complex Filter/Search Features
- *Skills, Tech & Tools:* Next.JS, MySQL, PostgreSQL, Supabase, Figma, API Integration