Aarush Roy

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in LinkedIn   GitHub   Design Portfolio

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, HoD - CSE, building an Intelligent Tutoring System, which involves enhanced Data Analytics and Visualizations, scaled as a Software for Admin and the Teaching Staff.
- *Skills, Tech & Tools:* React.JS, D3.js, MySQL, Django, Flask, SchemaPy, Python, Pandas, Scikit-learn, MatplotLib, Langchain, Docker

Full Stack Developer │ *Edubuk (Eduprovince Technologies Private Limited)*   July 2024 - Present
- Built a blockchain based solution, to digitally Record & verify Educational Transcripts and Work-Experience Certificates
- Redesigned complete frontend, optimized backed architecture, and integrated Smart Contracts.
- *Skills, Tech & Tools:* Next.JS, Node.JS, TypeScript, Tailwind CSS, Docker, Web3.js, Solidity

Developer │ *SNUxplore - snuxplore.com*   Aug 2023 - May 2024
- Co-headed a team, to design and build a fully responsive webapp solution catering to students of Shiv Nadar University (SNU).
- Main features: Location Database with GMaps, SNU-GPT: personalised AI chatbot, 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

RECENT PROJECTS

CCTV Detection - Criminal Activities & Mob Formation │ *Project*   March 2023 - Present
- A live prediction model which predicts or identifies any foul, criminal activity or possible mob formation by accessing behaviours and movements. Identifies unwanted, risky objects.
- 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