Jiya Garg

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Education

Netaji Subhas University of Technology, Delhi   **CGPA: 8.0/10** | Expected May 2026

Bachelor's degree in Computer Science and Engineering, with coursework in Data Structures, ML, and Web Systems

Skills & Technologies

Languages: C++, Python, JavaScript, TypeScript, SQL
Web & Frameworks: React.js, Next.js, Node.js, Express.js, Tailwind CSS, HTML, CSS, Sanity CMS
Tools & Platforms: Git, GitHub, VS Code, Firebase, Vercel, Postman, Bunny.net, Arcjet
Data & ML: PyTorch, OpenCV, Drizzle ORM, PostgreSQL (Xata)
CS Fundamentals: Data Structures & Algorithms (DSA), Operating Systems, DBMS, System Design, OOP, REST APIs, Auth (OAuth & Sessions), Deep Learning, Computer Vision

Experience

Research Trainee | Defence Research & Development Organisation, Delhi   Sept 2023 – Nov 2023

- Built UI components for internal administrative tools and explored structured frontend workflows.
- Practiced SQL queries and gained exposure to REST-based interactions in secured web systems.
- **Tech Stack:** JavaScript, HTML, CSS, SQL, REST APIs

Projects

CapShare – Screen Recording & Sharing App   [GitHub Repo] [Live Demo]

- Built a full-stack screen recording app with secure video upload, user authentication, and public sharing.
- Implemented CDN-based playback with Arcjet protection and structured data storage using Drizzle ORM.
- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, Bunny.net, Arcjet, BetterAuth, Drizzle ORM, PostgreSQL (Xata)

PrepNexus AI – AI-Powered Interview Assistant *(Ongoing)*   [GitHub Repo] [Live Demo]

- Built a voice-enabled platform that collects user inputs through real-time conversation and generates role-specific interview questions.
- Enabled real-time assistant interaction and persistent storage of interview sessions.
- **Tech Stack:** Next.js 15, Tailwind CSS, Vapi SDK, Firebase, Google Gemini API, Zod

Ocular Disease Detection – Deep Learning Research Project *(Team Project)*   [GitHub Repo]

- Built deep learning models to classify fundus images and detect ocular diseases using CNNs and transformers.
- Achieved over 98% validation accuracy on the ODIR dataset with and without LBP preprocessing.
- **Tech Stack:** Python, PyTorch, OpenCV, Vision Transformer, ResNet50, LBP

HavenStay – MERN-Based Travel Discovery App   [GitHub Repo]

- Built a full-stack travel app enabling home listings, reviews, user authentication, and CRUD operations.
- Added search, navbar, and image uploads with session-based login/logout and responsive design.
- **Tech Stack:** Node.js, Express.js, MongoDB, Mongoose, Joi, Passport.js, EJS, Multer, Cloudinary, Bootstrap

Highlights

- **Top 1% – CodeKaze 2024** (Rank 67 in 100K+ participants) • **Smart India Hackathon '23** Round 1 Qualifier • **GirlScript Summer of Code '24:** Selected Contributor • **Campus Ambassador** at Flickd (early outreach and feedback)