

# ARYAN GUPTA

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## EDUCATION

### Bachelor of Technology in Computer Science and Engineering - AI/ML

Nov 2022 – July 2026

ABES Engineering College

CGPA: 8.13

### Class 12th (CBSE)

2021

St. Xavier's High School

89.8%

### Class 10th (UP Board)

2019

BNSD Shiksha Niketan Inter College

90.5%

## EXPERIENCE

### Backend Developer Intern

May 2025 – Ongoing

**Technologies:** NestJS, PostgreSQL, Drizzle ORM, Google/Facebook/Apple OAuth, JWT, AWS Rekognition, Google Cloud Vision, FFmpeg, WebSockets, Microservices

- Built a scalable microservices backend for a **mobile-first dating app** with custom **Google, Facebook, and Apple sign-in** integration, secure **JWT issuance**, and onboarding data collection via **REST APIs**.
- Implemented liveness-based **KYC** and profile image quality analysis using **AWS Rekognition** and **Google Cloud Vision** to ensure identity verification and image suitability.
- Developed photo slideshow generation using **FFmpeg** to convert user images into video-ready formats.
- Integrated team-provided **AI video generation API** to automate creation of personalized intro videos.
- Enabled real-time chat functionality using **WebSockets** for seamless in-app communication.

## PROJECTS

### CallGuard AI | [Deploy Link](#) | [Repo Link](#)

May 2025

**Technologies:** Next.js, React.js, TypeScript, MongoDB, Gemini AI, Deepgram Nova-3, Cloudinary, NextAuth.js

- Built an AI-based health triage platform **for a hackathon** that analyzes transcribed patient calls, improving diagnosis speed by **65%**.
- Processed real-time audio files with **Deepgram Nova-3** for transcription and **Gemini AI** for condition detection, flagging symptoms from a dataset of **10,000+ FAERS keywords**.
- Designed a responsive dashboard using **Next.js** and **Tailwind CSS** to visualize risk levels, flagged symptoms, and AI-generated advice – improving clinical usability by **80%**.
- Integrated secure audio uploads via **Cloudinary**, automated transcription, and role-protected access using **NextAuth.js** and **JWT**.

### Mind Stack – A Second Brain | [Deploy Link](#) | [Repo Link](#)

Feb 2025 – Apr 2025

**Technologies:** React.js, TypeScript, MongoDB, Express.js, JWT

- Built a second-brain web app to collect, preview, and organize multimedia links (YouTube, Twitter, Docs, Instagram) for personal knowledge management.
- Implemented secure user authentication (signup, login) with **JWT** and role-based access to the dashboard.
- Designed an interactive dashboard where users can add content with title, description, type, and link, then auto-fetch post previews via metadata scraping.
- Integrated a scalable backend with MongoDB and Express.js to persist and retrieve user content seamlessly.

## TECHNICAL SKILLS

**Languages:** C, C++, JavaScript, TypeScript, Python, SQL

**Frontend:** HTML5, CSS3, Tailwind CSS, React.js, Next.js

**Backend:** Node.js, Express.js, NestJS, MongoDB, PostgreSQL, Prisma, Drizzle ORM, Websocket, NextAuth.js

**DevOps / Tools:** Docker, Kubernetes, Redis, Git, GitHub, Turborepo, Cloudinary, VS Code

**Core CS Subjects:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems, Database Management Systems (DBMS)

## ACHIEVEMENTS

Solved 300+ problems on LeetCode and Codeforces focusing on Data Structures and Algorithms.

Leetcode Max. Rating 1672.

Won a college-level hackathon organized at GeeksforGeeks Noida.