AVI BHATNAGAR

✉ avibhatnagar10@gmail.com | 📞 +91 7073003041 | ⬤ Github | in LinkedIn | ⬤ My Portfolio

SUMMARY

Software Engineer contributing to production systems and delivering end-to-end features used in real-world applications. Works across design, implementation, testing, and deployment with a strong focus on correctness, maintainability, and operational reliability. Regularly takes ownership of components, investigates and resolves complex issues, and collaborates closely with peers to meet product and business goals. Brings a disciplined engineering mindset and a bias toward clear, simple, and scalable solutions.

EDUCATION

JECRC University (Jaipur, India) (2021-2025)
  B.Tech in Computer Science And Engineering GPA-7.5
  (Specialization in Full Stack Web Development with Xebia)

Pioneer Public School (Udaipur,India) (2020-2021)
  Class 12 (CBSE) Percent: 77%

MDS Public School (Udaipur,India) (2018-2019)
  Class 10 (CBSE) Percent: 80%

WORK EXPERIENCE

Nexithon - *Associate Software Engineer* (Dec 2025 - Present)
- Building NORA, an AI-powered recruitment and outreach SaaS platform supporting end-to-end hiring workflows, including resume parsing, candidate discovery, automated outreach, and company intelligence.
- Designing and integrating backend systems to support scalable data processing and real-time communication, with emphasis on reliability, performance, and high-throughput workloads.

Tech Firefly - *Software Developer Intern* (March 2025-July 2025)
- Led backend development of an AI-powered YouTube content moderation tool.
- Utilized Flask, PostgreSQL, Redis, Celery, and Docker, integrating OpenAI and NLP models to analyze transcripts, titles, and comments via YouTube V3 API for real-time content flagging.

Techon Dater Systems - *Software Developer Intern* (Jan 2025-March 2025)
- Built a real-time collaboration board with React, Node.js, Socket.IO, and MongoDB for instant sticky note updates, featuring a responsive Tailwind CSS UI for seamless experience across devices.

PROJECTS

NexStream - A live Streaming Platform (Website)
- Designed an engaging, responsive live streaming interface with real-time interaction, two-person sessions, recording previews, and download options using Next.js and Tailwind CSS, prepared for backend integration.

AI YouTube Video Analyzer (Website)
- Built an AI-powered SaaS to detect hate speech, clickbait, sentiment, and compliance violations in YouTube videos using NLP and custom ML models.

Live-Polling System (Website)
- Architected a full-stack, real-time polling platform using React and Node.js with a responsive, mobile-friendly interface for seamless poll creation, participation, and result visualization across devices.

NoteDesk - Secure Notes Editor (Website)
- Built a desktop note-taking application enabling users to securely authenticate, create, sync, and manage personal notes with persistent storage.
- Implemented secure authentication and authorization, including credential-based login, hashed credential storage, role-based access control, and optimized note retrieval using caching.

TECHNICAL SKILLS

- **Programming Languages:** Java (Primary), SQL, JavaScript, TypeScript, Python
- **Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Socket.IO, Zustand
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Tools & Platforms:** Docker, Redis, Kafka, Git, GitHub, VS Code, IntelliJ IDEA, Cursor
- **Core Subjects**: Data Structures & Algorithms, System Design, Computer Networks, Microservices Architecture, Database Management, Agile Development, Operating Systems