Alka Kumari

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EDUCATION

B.Tech, Electronics and Communication Engineering　　　　Nov 2022 – May 2026
Bhagwan Parshuram Institute of Technology, GGSIPU, Delhi　　　　**CGPA: 8.07**

EXPERIENCE

Feature Engineer Intern　　　　Nov 2025 – Jan 2026
ConviSaaS Inc
- **Delivered 3+ production-ready features** by owning end-to-end full-stack development, from prototyping to **frontend implementation and backend API integration**, improving product usability and feature stability.

ACHIEVEMENTS

Amazon ML Summer School　　　　Aug 2025
Amazon
- Selected among **65,000+ applicants** for **Amazon's Elite Machine Learning Program**, demonstrating a strong understanding of **Generative AI** concepts and applied machine learning fundamentals.

TVS Credit E.P.I.C 7.0 – IT Challenge　　　　July 2025
TVS Credit
- **Pre-Finalist** in TVS Credit's national IT Challenge, selected among the top **0.57%** of **61,000+** candidates.

PROJECTS

Code Quest | Github | Live Link　　　　March 2025
- Architected a full-stack platform using **Next.js**, **MongoDB**, and **WebRTC** for real-time problem-solving and competitive programming.
- Engineered low-latency audio/video and data synchronization using **Socket.IO** for seamless multi-user live-coding.
- Integrated a secure remote execution engine via **JDoodle API** supporting **10+ languages** and built a live web-page rendering module.

Baat Cheet | Github | Live Link　　　　Nov 2024
- Developed a real-time messaging platform with instant messaging, user authentication, using **MongoDB, Express.js, React.js, Node.js**, and **Socket.IO**.
- Implemented **JWT-based secure authentication** and responsive UI features, including online status indicators and notification alerts.
- Enabled real-time multi-user communication with low latency using **Socket.IO**.

Multi Threaded Proxy Server | Github　　　　Aug 2024
- Constructed a **multi-threaded proxy server** in C handling multiple client requests concurrently using **semaphores**.
- Integrated an **LRU (Least Recently Used) cache** to store frequently accessed web pages, reducing data retrieval latency and improving overall system performance.
- Applied knowledge of **computer networks**, **concurrency** and **caching concepts**.

TECHNICAL SKILLS

- **Languages:** C, C++, Python, JavaScript, Typescript, HTML5 , CSS3
- **Frameworks/Libraries:** React.js, Next.js, Node.js, Express.js, TailwindCSS, REST APIs
- **Databases:** MongoDB, MySQL
- **Computer Fundamentals:** Data Structures, Algorithms, Operating Systems, Database Management System , Computer Networks, Object-Oriented Programming, System Design (HLD)
- **Tools:** Git/GitHub, Visual Studio Code, Figma

EXTRA CURRICULAR

Head of Operations, Anveshan
- **Demonstrated ownership, strong communication, and follow-up skills** by leading a **50+ member team** to successfully **organize a 400+ participant event**, collaborating with **25+ colleges** and **closing 10+ sponsorships** through **consistent outreach, relationship building, and ethical engagement**.