

# Ayush Baliyan

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## EDUCATION

- University School of Information, Communication and Technology Delhi, India  
*Bachelor of Technology - Computer Science Engineering;* *November 2021 - August 2025*

## SKILLS SUMMARY

- Languages:** C/C++, C#, Python, JavaScript, Typescript, Java
- Libraries:** ThreeJs, React-Three, Axios, Prisma, React-speech, multer, AWS-S3, MUI, ShadCN, D3, PeerJs, Socket.io
- Others:** SQL, NoSQL, Kubernetes, Git, Docker, Jenkins, Azure, AWS, GCP, OAuth
- Tools:** GIT, MySQL Workbench, Mongo Compass
- Soft Skills:** Leadership, Teamwork, Communication skill, Leadership, Event Management, Public Speaking

## EXPERIENCE

- Groww**  
*SDE Intern* *August 2024 - Present*
  - Website:** Developed and optimized multiple web pages with enhanced UI/UX design, improving SEO performance and user engagement.
  - Playwright:** Refactored test cases and brought the failed tests **down to 0 from 57**
- DOTS** Delhi  
*SDE Intern* *July 2023 - Present*
  - Full-Stack Development and Backend Overhaul:** Transformed a frontend-focused project into a full-stack application and revamped backend infrastructure, guided by Praveen Soni. This initiative enhanced backend efficiency by **30%**, resulting in analysis values increasing from **0.313 to 2.71**, and improved user satisfaction scores by **20%**.
  - Dashboard System:** Engineered and launched an Automatic Dashboard Recommendation System, reducing manual dashboard creation time by **50%** and increasing **data accessibility for 200+** users across the organization
- Freelance**  
*Full Stack Developer*
  - E-commerce Platform:** Designed and delivered a scalable global e-commerce platform for a home temple business, enhancing user engagement and increasing online sales by **40%**.
  - Backend Infrastructure:** Engineered a high-performance backend capable of handling **10,000 requests per day**, streamlining user management and personalized shopping experiences. Integrated **seamless and secure payment gateways**, which led to a **25% increase** in completed purchases.

## ACADEMIC PROJECTS

- Timeless - Scheduling and Productivity Platform:** Visit [React.js](#), [Node.js](#), [Express.js](#), [MongoDB](#), [Tailwind CSS](#), [OAuth](#)
  - Student Scheduling:** Devised a system enabling students to schedule tasks with notes, resulting in a significant **20% improvement** in task completion rates.
  - Educator Integration:** Integrated a streamlined timetable and attendance management system for educators, leading to a **30% reduction** in time spent on administrative tasks.
- SilentSpeak - Video Conferencing Application:** Visit [NextJs](#), [WebRTC](#), [Socket.io](#), [PeerJs](#), [Tailwind](#), and [TensorFlow](#).
  - Hand Sign Recognition:** Integrated advanced hand sign recognition technology to facilitate effortless communication for non-verbal communicators, over a **dataset of over 1000+ images**.
  - Live Captions:** Added live captions feature to enhance accessibility and facilitate better understanding during video conferences and tried to **reduce latency to 50ms**.
- Code Story - RPG NFT Learning Game:** [ReactJs](#), [NodeJs](#), [Web3Js](#), [IPFS](#)
  - Gameplay:** Designed an engaging learning game where players explore a map, encountering NPCs (battlegrounds), and must correctly answer **10 questions** to earn the level's **NFT as "Proof of Learning."**
  - Progression System:** Implemented an agile progression system wherein players advance to higher levels upon successfully claiming the NFT, motivating continuous learning and participation.
- Sampatti - Surety of Security:** [ReactJs](#), [ThreeJS](#), [Arcana](#), [Web3JS](#), and [IPFS](#)
  - Proof of Ownership:** Engineered a platform enabling users to establish proof of ownership with a layer of decentralization, ensuring data integrity and security. Made on a demo of **20+ buildings**.
  - Addressing Legal Corruption:** Implemented a secure decentralized layer over the existing government execution process, mitigating instances of legal corruption and enhancing transparency.

## HONORS

- Ranked in **Top 30** out of 70,000 participants in the prestigious **Samsung Solve For Tomorrow** hackathon
- Won the Arcana track prize in **ETHForAll Hackathon**