

Yash Yadav

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SKILLS

- Languages:** C++, C, JavaScript, Python, Java
- Frontend & Backend:** React.js, Tailwind CSS, HTML, CSS, Redux, Node.js, Express.js, REST APIs, Socket.IO
- Cloud & DevOps:** Amazon Web Services (AWS), Docker, Kubernetes, Linux, Git, GitHub
- Databases:** MongoDB, MySQL
- Tools & Services:** WebRTC, Apache CloudStack, Postman, Cloudinary
- Core CS:** Operating Systems, Data Structures and Algorithms, Computer Networks, DBMS, OOPs
- Soft Skills:** Problem-Solving, Collaboration, Project Management, Adaptability

PROJECTS

- Direct Code UI - Full Stack Web Application | [GitHub](#) | [Live Demo](#)** Oct '25
- Built a full-stack web platform to capture UI designs from live websites and convert them into reusable React components, enabling faster UI development and sharing.
 - Integrated AI models (ChatGPT, Gemini, DeepSeek) via custom APIs to generate production-ready UI code from screenshots, improving development efficiency by 2x.
 - Engineered real-time collaborative coding, live video chat, and screen sharing using WebRTC (mediasoup) and Socket.IO, enabling seamless multi-user collaboration.
 - Developed a Chrome extension and architected a scalable microservices-based backend (6+ services, 20+ APIs) for authentication, AI processing, component management, request tracking, and cloud deployment.
- Tech Stack:** MERN Stack, REST APIs, Socket.IO, Chrome Extension (Manifest v3), WebRTC, Hostinger, Render

- Educational Resource Sharing Platform on AWS | [GitHub](#)** Apr '25
- Created a secure, cloud-based platform for uploading, storing, and sharing educational resources using AWS, designed to handle high user demand with consistent performance.
 - Architected a VPC with public and private subnets, deploying EC2-based web servers in public subnets and Amazon RDS in private subnets to ensure secure data segregation.
 - Implemented scalable file storage and fast global content delivery using Amazon S3 and CloudFront, enabling efficient upload, download, and distribution of learning materials.
 - Automated backend workflows using AWS Lambda and CloudWatch for file processing, logging, and monitoring, improving reliability and operational visibility.
- Tech Stack:** AWS EC2, Amazon RDS (MySQL), Amazon S3, CloudFront, AWS Lambda, VPC, IAM, NAT Gateway, CloudWatch, Node.js, Express.js

TRAINING

- Data Structures and Algorithms | Summer Training | Algo Tutor (In-Campus) | [CERTIFICATE](#)** Jul '25
- Selected for an intensive offline Data Structures and Algorithms bootcamp covering trees, graphs, and dynamic programming.
 - Solved 200+ algorithmic problems through weekly competitive programming contests, improving problem-solving speed and accuracy.

CERTIFICATES

- AWS Academy Graduate- Cloud Architecting | [CERTIFICATE](#) Aug' 25
- AWS Academy Graduate - Cloud Foundations | [CERTIFICATE](#) May' 25
- NPTel- Social Networks | [CERTIFICATE](#) Apr' 25

ACHIEVEMENTS

- Solved 380+ Data Structures & Algorithms problems on Leetcode and 200+ on other platforms
- Advanced to the Idea Selection Round of Qraptor.ai Online Hackathon | [CERTIFICATE](#) Sep' 25

EDUCATION

- Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; CGPA: 8.28 Since Aug' 23
- Saraswati Vidya Mandir** Etah, Uttar Pradesh
Intermediate; Percentage: 75 Mar' 21 – Mar' 22
- Saraswati Vidya Mandir** Etah, Uttar Pradesh
Matriculation; Percentage: 79 Mar' 19 – Mar' 20