

Yash Duhan

9056203935 | yashduhann@gmail.com | linkedin.com/in/yashduhann | github.com/yashduhan

EDUCATION

Chandigarh Engineering College

Bachelor of Technology in Computer Science and Engineering

Mohali

Aug. 2022 – May 2026

EXPERIENCE

Full Stack Developer

Twinql AI

Jan 2025 – Present

Bengaluru, Karnataka

- Architected full-stack application boosting user engagement by 40%
- Deployed AWS Cognito authentication for 5K+ MAU, reducing security incidents by 50%
- Fine-tuned open-source LLMs using Unsloth AI, cutting inference time by 40% and boosting accuracy by 15%

PROJECTS

Json Web Editor | *Python, AWS EC2, React, PostgreSQL, Docker, Groq(LLM)*

[Live Link](#)

- Engineered a real-time JSON editor with an interactive HTML preview using React.js and FastAPI, boosting user editing efficiency by 30%
- Implemented real-time sync using WebSockets (50+ concurrent users)
- Optimized PostgreSQL operations for JSON data (40% faster queries)
- Boosted editor efficiency 25% through Groq LLM integration
- Scaled infrastructure on AWS EC2 (100+ monthly requests)

VeriTrust | *NextJs, FastAPI, Playwright, Clerk Auth, Capacitor, Groq, AWS EC2, AWS S3*

[Live Link](#)

- Developed a product claim validation platform, boosting engagement by 25% and attracting 200+ users
- Integrated LLaMA 3.2's Vision model for OCR, achieving 95% accuracy in extracting ingredient details from product label images
- Launched Chrome extension accelerating claim verification 4x (500+ users)
- Automated product validation with Playwright (80% time reduction)

TextLens | *FastAPI, React.js, PyMuPDF, AWS S3, PostgreSQL, Llama 3.2*

[Live Link](#)

- Developed full-stack PDF analysis platform using Python/FastAPI and React.js, reducing document processing time by 40% through PyMuPDF optimizations
- Constructed REST API supporting 100+ concurrent PDF uploads with AWS S3 integration, achieving 99.8% file integrity through checksum validation
- Designed React frontend with real-time preview rendering and interactive search filters, increasing user retention by 25%
- Integrated Llama 3.2 for NLP, providing accurate answers based on PDF content

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, Golang

Frameworks/ Libraries: NextJs, React.js, FastAPI, Node.js, Express.js, Gorilla Mux, Astro.js, Tesseract.js, Cheerio.js

Database: PostgreSQL, MongoDB, MySQL

Cloud & DevOps Tools: AWS (EC2, S3, Cognito, Fargate), Docker, Vercel

Developer Tools: Git, Postman, WebSockets, Google Ads API, Google Tag Manager (GTM), Google Analytics (GA4)

Ad Tech & Analytics: Conversion Tracking, Attribution Models, Real-Time Bidding (RTB), Demand-Side Platforms (DSPs), Supply-Side Platforms (SSPs)

Algorithms and Data Structures: Proficient in C++ for DSA

ACHIEVEMENTS

Solved 250+ Questions on Leetcode

Achieved Global Rank 216 in TCS CodeVita

Secured 2nd place in Hack 'N' Win among 150+ teams

LEADERSHIP & OPEN SOURCE CONTRIBUTIONS

Open Source Contributor – Contributed PRs and bug fixes to multiple repositories

Technical Mentor – Guided junior developers in full-stack development, improving project efficiency