Raghav Sharma

Full Stack Developer

Subash Nagar, New Delhi, IN

raghu250407@gmail.com • +91 7042019181 • LinkedIn • GitHub • Blogs • raghav-in.live

TECHNICAL SKILLS

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

Frontend: React.js, Next.js, TailwindCSS

Backend: Node.js, Express.js, FastAPI

Databases & Storage: MongoDB, PostgreSQL, Supabase

DevOps: Amazon Web Services (IAM, S3, EC2, ECR, ECS), Cloudflare, Vercel, Docker, CI/CD

Version Control & Tools: Git, GitHub, Postman, Axios, Bash, NextAuth, JWT

Generative AI - Vercel AI SDK, OpenAI SDK, Google GenAI SDK, Cloudflare AI Workers, Hugging Face Inference

PROFESSIONAL EXPERIENCE

SWE Intern | FOSSEE | IIT Bombay | Remote   Feb 2025 - May 2025
- Worked on Osdag, an open-source tool that helps design structures like beams and columns used in civil engineering.
- Built backend APIs using Django to handle structural calculations for different design modules.
- Created easy-to-use frontends in React to show the CAD model and its related calculations.
- Added user session management so users can smoothly work on their designs without losing progress.
- **Skills:** Git, GitHub, React.js, Python, Django, Docker, Software Development.

Full Stack Intern | Debales AI | Katy, Texas, USA | Remote   July 2024 - September 2024
- **Developed dynamic pages** that efficiently display AI-generated data, **enhancing user engagement by 20%**.
- **Implemented session storage** for chat history, improving user retention and multi-session continuity.
- **Enhanced chatbot functionality** by integrating product image display, **increasing user interaction rates by 45%**.
- Built a **feedback system for chatbot response** rating, contributing to a **15% improvement** in response accuracy.
- **Resolved critical bugs** and reduced UI/UX inconsistencies to improve user satisfaction **by 15%**.
- **Skills**: Git, GitHub, Next.js, TailwindCSS, ShadcnUI, Software Development.

PROJECTS

ResumeMax | AI Resume Optimizer and Builder
- Developed AI-powered resume creation to generate resumes using existing data and AI.
- Implemented multi-version resume management for users to store and customize resumes for different job profiles.
- Built an AI-driven cover letter generator to create personalized cover letters for each application.
- Integrated professional ATS-friendly templates for structured and visually appealing resumes.
- **Tech Stack** - MongoDB, React.js, Express.js, Node.js, TailwindCSS, REST APIs, OpenAI APIs.

SmartDoc | **Comprehensive Automated Document Verification system (SIH Winning Project)**
- Built a blockchain-based system to issue and verify digital certificates with Solidity smart contracts.
- Integrated IPFS storage using Pinata for decentralized and tamper-proof document management.
- Implemented AI-driven verification via Ovis AI OCR for metadata extraction and validation.
- Developed RESTful APIs for seamless document request, issuance, and verification workflows.
- **Tech Stack:** Node.js, Express.js, MongoDB, Solidity, Hardhat, IPFS (Pinata), REST APIs.

EasyGPT | End to End AI Platform for all your needs
- Integrated 6+ foundation models into Edge Functions using Cloudflare Workers and HuggingFace APIs for AI features like captioning, summarization, diagram generation, and video synthesis.

- Built an AI-powered image captioning system with *uniform-gen2-gwen-500m*, converting uploaded images into context-aware descriptions using byte-level processing.
- Engineered real-time summarization APIs using *llama-4-scout-17b-16e-instruct* for long-form content and YouTube transcript abstraction with streaming support.
- Developed a natural language to diagram code converter with *mistral-7b-instruct-v0.2*, generating valid Mermaid.js syntax for frontend rendering.
- Designed a fast AI image generation pipeline with *flux-1-schnell*, delivering base64-encoded JPEGs for immediate UI rendering.
- Implemented a text-to-video generation pipeline using *Wan2.1-T2V-14B*, producing high-fidelity MP4 outputs from prompts via HuggingFace InferenceClient.
- Optimized low-latency AI processing using edge runtime architecture, handling multi-modal inputs (image, video, text) across Cloudflare's global network.
- **Tech Stack** - Next.js, PostgreSQL, Hugging Face, Generative AI, Git, Github, Cloudflare.

EDUCATION

Dronacharya College of Engineering | Gurugram, Haryana, IN
B.E in Computer Science   October 2022- Present

ACHIEVEMENTS

- **Smart India Hackathon (SIH) 2024 Winner** – *1st Position* as Team Leader (300 winners in 80,000+ teams)
- **Top 50 Project Ideas** – *NES Innovation Awards 2024* (Out of 800+ submissions)
- Selected for IIT Bombay's FOSSEE Semester-Long Internship (Top 5% among ~3,000+ applicants)