Vikash Sarraf

Kolkata, West Bengal | +91 9830953320 | vsarraf15@gmail.com

https://www.linkedin.com/in/vikash-sarraf-531372243/ | github.com/Vikash-Sarraf | https://leetcode.com/u/Vikash_Sarraf/

EDUCATION

Vellore Institute of Technology	**Vellore**
B.Tech in Information Technology - CGPA: 8.55	*Graduation Date: Aug 2025*
Delhi Public School	**Kolkata**
ISC 12th Grade - 92%	*Graduation Date: Mar 2021*
ICSE 10th Grade - 89%	

WORK EXPERIENCE

RIGI – Azalp Technologies Ltd.	**Bengaluru, Karnataka**
Software Engineering Intern	*Aug 2023 – Dec 2023*

- Developed and maintained backend features using Node.js, Express.js, MongoDB, and Redis.
- Contributed to the entire software development lifecycle, including planning, design, implementation, and testing.
- Improved database performance by 15% through optimizing MongoDB queries.
- Enhanced system reliability, achieving 99.9% uptime through efficient use of Redis for caching and session management.

PROJECTS

EasyDeploy | AWS ECS Deployment Service

- Automated React app deployment to AWS ECS Docker containers, reducing manual deployment time by 75%.
- Created a streamlined build system that clones GitHub repos, installs dependencies, and sets environment variables.
- Developed a reverse proxy to serve sites from S3 with DNS routing, improving accessibility by 99.9%.
- Integrated real-time log streaming using Socket.io and Redis, enhancing monitoring and debugging.
  Tech Stack: Next.js, Docker, AWS ECS, ECR, S3, Redis, Fargate, Node.js, Socket.io, IoRedis, http-proxy.
  https://github.com/Vikash-Sarraf/EasyDeploy

Text2Image | AI-Powered Text-to-Image Generation Platform

- Built a unified platform integrating Replicate, EdenAI, ClipDropAI, and StableDiffusion for image generation, upscaling, and compression.
- Reduced manual image creation by 95% and file sizes by 80% with Tinify, optimizing performance.
- Developed a secure Express.js and Node.js backend, handling thousands of daily requests and improving API response times by 40%.
- Delivered a responsive Next.js frontend for efficient user interactions and fast image processing.
.Tech Stack: Next.js, Express.js, Node.js, Replicate, EdenAI, ClipDropAI, StableDiffusion, Tinify
  https://github.com/Vikash-Sarraf/Text2Image

SKILLS

HTML, CSS, JavaScript, TypeScript, Java, Python, MongoDB, Redis, SQL, WebSockets, RESTful APIs, Git, Full-Stack Development, Machine Learning, Artificial Intelligence., Node.js, Express.js, React, Next.js, TensorFlow, Keras, AWS

CERTIFICATIONS

The Complete 2023 Web Development Bootcamp by Angela Yu –
https://www.udemy.com/certificate/UC-e8ec1d0e-7b7c-439a-9b5a-8586f89ca52c/
CS50AI - Introduction to Artificial Intelligence in Python, Harvard University -
https://certificates.cs50.io/9bea6cf8-c96a-4a86-b586-56a99be79f6a.pdf?size=letter

ACHIEVEMENTS

Winner of the TiE Young Entrepreneurs Award