Abhineet Verma

Location: Lucknow, UP, India

Portfolio | GitHub | LinkedIn | LeetCode | in.abhineet@gmail.com

Summary

I'm **Full-stack** software engineer, proficient in MERN stack, looking for a challenging role in a fast-paced environment, where I can use my skills and experience to develop **innovative**, **user-friendly** and **scalable** high-quality products and services.

Technical Skills

- HTML | **HTML Canvas** | CSS | **JavaScript** | **TypeScript** | Java SE | Java Swing | Python | C/C++ | **PHP** | jQuery | Git | Node
- **React** | Redux | **React Native** | **Express** | NextJS | **CodeIgnitor** | OpenCart | Bootstrap | **MUI** | Tailwind CSS | Vue | RestAPI
- **MySQL** | Postgres | Oracle | **MongoDB** | RDS | Redis | **AWS** | Google Cloud | **CI/CD** | Github Actions | Lambda | Linux
- Tensorflow | SKLearn | Pandas | **OpenCV** | Image Processing | **CNN** | Machine Learning | Neural Network | Deep Learning
- **DSA** | Microservices | Distributed System | **System Design** | Apache Kafka | SNS | RabitMQ | Redis | Data Pipeline
- Frontend | Backend | Full-Stack | **SEO** | Google Facebook Ads | Social Media Marketing | Keyword Research

Experience

Software Engineer *Arachnomesh Technologies* Aug 2021 - Present (Remote)

- Refactored codebase, optimized **50+** MySQL queries and fine-tuned database config and indexing across 200+ tables.
- Transitioned from monolithic architecture to **microservice** architecture to achieve high availability and scalability.
- Scale system to deliver **5-10x** more traffic by implementing database & app-level **caching** techniques
- Addressed multiple client requirements, fixed bugs, and fulfilled over **200+** client issues and features.

Student Research Associate *Virtual Lab, IIT Kanpur* Aug 2022 - Oct 2022 (Kanpur, UP)

- Developed a **simulator** for material science lab experiments that reduced the time needed to complete experiments by **20%**, saving students and researchers valuable time.

VFX Animation *Defence Research & Development Organization DRDO* Apr 2022 - May 2022 (Remote)

- Created a rocket trajectory simulation using **Blender**, showcasing expertise in animation and 3D modeling

Web Developer Intern *Damick Publications* Dec 2020 - Aug 2021 (Remote)

- Designed and developed a landing page with **85+** SEO score and comprehensive **e-commerce** bookstore website, incorporating full-fledged features to enhance online shopping and user experience.
- Integrated a website payment gateway to increase sales up to **2x**, enabling customers to pay quickly and easily.
- Increase **10x** organic traffic by optimizing UI/UX design, reducing page load time, and implementing SEO techniques.

Education

Bachelor of Technology *Government Engineering College, Kannuaj* 2019 - 2023
Major in Computer Science and Engineering | GPA: 8.2/10.0

Highschool & Intermediate *Jawahar Navodaya Vidyalaya, Barabanki* 2017 - 2018
CBSE Board | 84.8%

Projects

iHunger - A Restaurant Portfolio *React.js, Redux* Source Code
Built a React-based restaurant website to demonstrate my understanding of the basic and core concepts of React & Redux.

Publications

1. Tomato Leaf Disease Detection using Enhanced Weight Assignment-based Loss Calculation Method (July 2023)
2. An Efficient Method to Predict the Tata- Motors Stock Price using Hybrid Machine Learning Methods (Jan 2023)
3. A Real-Time Approach to Classify the Water Quality of the River Ganga at Mehandi Ghat, Kannuaj (Nov 2022)