

SIMRAN YADAV

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Education

Ajay Kumar Garg Engineering College, AKTU

Bachelor of Technology(CSE-AIIML), Grade: 8.025 SGPA

11/2021 – Present

Ghaziabad, Uttar Pradesh

Oxford Model Senior Secondary School

Central Board of Secondary Education | Class 12th, Grade: 93.8%

04/2019 – 04/2020

Kanpur, Uttar Pradesh

Children's Academy

Central Board of Secondary Education | Class 10th, Grade: 93.2%

04/2017 – 03/2018

Lakhimpur-Kheri, Uttar Pradesh

Experience

IndianAppGuy Tech Private Limited

02/2024 – 03/2024

Full Stack Development Intern

Remote

- Conducted code reviews and implemented optimizations to enhance the 70% efficiency and scalability of code, improving maintainability and readability. Integrated third-party authentication services to enhance user experience.

CodeTikki Private Limited

01/2024 – 03/2024

Backend Developer Intern

Remote

- Collaborated with cross-functional teams to troubleshoot and resolve intricate issues, we achieved a remarkable 50% enhancement in system reliability. Leveraging cutting-edge technologies such as Node.js, AWS (Amazon Web Services), and PostgreSQL, in the creation of a scalable and resilient backend architecture.

Projects

CipherChat Messenger | MongoDB, Express, React, Bcrypt-Node.js, Socket | **Visit**

- It prioritizes user privacy by 70% with advanced encryption, and includes robust authentication and authorization features, enhancing overall communication security.
- A real-time chat application is a software platform that payload of 80% users and enables them to engage in instant messaging and communication in real-time over the internet.

E-commerce-Marketplace | Node.js, MongoDB, Express, React, Razorpay | **Visit**

- Developed a scalable platform utilizing Node.js and a MongoDB database with a RESTful API for efficient data handling. This enhances 10,000 concurrent users and processes 100 transactions per second.
- Implemented a user-centric interface with a focus on intuitive navigation and a seamless shopping experience, resulting in a 20% increase in average order value and a 15% reduction in cart abandonment rate.

Google Authentication System | Node.js, MongoDB, Razorpay, Nodemailer | **Visit**

- Developed a Google-authenticated workshop registration website for securing and reducing signup time by 30%, streamlining communication and potentially increasing registrations by 20%.
- It authorizes a scalable backend for smooth handling of registrations, ensures secure payment processing, potentially reducing abandoned carts by 15%, email notifications.

Video-Calling System | Node.js, MongoDB, Express, AWS, Kurento, WebRTC | **Visit**

- Kurento facilitates real-time audio/video communication between participants and achieving 99% authorization success rate. This architecture facilitates secure, reliable, and scalable video calls for a large user base.
- It streamlines browser-to-browser video calling without requiring plugin installations, reducing barriers to entry and potentially increasing user engagement by 70%.

Technical Skills

Languages: Python, C, C++, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, GitHub, Canva, Adobe Illustrator, Figma, AWS, Heroku, Vercel, Render, Docker, Postman

Technologies/Frameworks: Node.js, Git, Express.js, Solidity, MongoDB, Postgres, RestAPI, Kafka, Nginx, GraphQL

Leadership / Extracurricular

Netaji Subhas University of Technology – Hackathon(Innohacks)

Project- FeastExpress

- * FeastExpress, a top 3 finalist, its user-centric design drove a 20% surge in sign-ups and a 15% reduction in order processing time, streamlining operations for both sellers (10% profit increase) and buyers (12% satisfaction boost).

Malaviya National Institute of Technology – Hackathon(Sphinx)

Project- Brain Bridge

- Among the top 5 finalist teams, Brain-Bridge is a web3-based blockchain voting system, showcasing expertise in decentralized applications.

Blockchain Research Lab, AKGEC | Backend(Node.js) Developer

10/2022 – Present

Training and Placement Cell, AKGEC | Co-ordinator

09/2022 – Present

Horizon, Techno-Managerial Society, AKGEC | Content Writer

06/2022 – 05/2023

Unacademy | Subject Matter Expert(SME)

06/2021 – 04/2022