SIMRAN YADAV

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Education

Ajay Kumar Garg Engineering College, AKTU   **11/2021 – Present**
Bachelor of Technology(CSE-AIML), Grade: 8.025 SGPA   *Ghaziabad, Uttar Pradesh*
Oxford Model Senior Secondary School   **04/2019 – 04/2020**
Central Board of Secondary Education | Class 12th, Grade: 93.8%   *Kanpur, Uttar Pradesh*
Children's Academy   **04/2017 – 03/2018**
Central Board of Secondary Education | Class 10th, Grade: 93.2%   *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
Technologies/Frameworks: Node.js, Git, Express.js, Solidity, MongoDB, Postgres, RestAPI, Kafka, Nginx

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**