HARMANDEEP SINGH

Mohali, India · 2020kuec2001@iiitkota.ac.in · +91 9599750775 · Linkedin · Leetcode · Github · Codeforces

EDUCATION

BTech Electronics and Communications, Indian Institute of Information Technology, Kota   Expected May, 2024

8.71/10 CGPA   Upto 7th Semester

SKILLS

Languages/Libraries — C/C++, C#, Javascript, React.js, Node.js, Redux, Mongoose, TailwindCSS, Bootstrap
Relevant Course Word —Data Structures and Algorithms, DBMS, Operating Systems, Object Oriented Programming
Soft Skills — Leadership, Communications, Teamwork

EXPERIENCES

Jr. Software Engineer - **Onextel Pvt Ltd** - (Pune)   July, 2024

- Constructed backend infrastructure using C and Erlang to facilitate mass texting and phone calls.
- Engineered OneX-Aura, an in-house telecom tool, supporting large-scale consumers like RealMe, Oppo, and Spencer's; enhanced service delivery efficiency, reducing setup time by 40% and operational costs by 25%.
- Optimized system performance and scalability by implementing load balancing and fault tolerance mechanisms in Erlang, ensuring uninterrupted service for millions of users.

Front-End Developer - **Ekalsutra Pvt Ltd** - (Remote)   January, 2023 - March, 2023

- Contrived innovative APIs to streamline the page development process, resulting in a reduction in page creation time and a 15% decrease in website load times.
- Identified and resolved critical bugs in 8 previously developed web pages, resulting in a 20% decrease in user complaints.
- Collaborated with the UX team to design and develop a responsive web page that increased user engagement by 30%, increasing conversions.

Intern - **Gurugram Police** - (Remote)   June, 2021 - July, 2021

- Engaged in a cybersecurity capture-the-flag (CTF) competition as part of the internship program; leveraged technical expertise to identify and fix security vulnerabilities. Given excellent feedback amongst 1200 interns.
- Collaborated with cross-functional teams in various assignments and activities during the internship program. Spread awareness about common methods of spoofing and eavesdropping.Held meetings with 3 highly regarded cyber security experts.

PROJECTS

Poker-Game

- Utilized www.deckofcardsapi.com to create a seamless and engaging card game experience. Implemented Socket.io to develop real-time communication between players during the game. Integrated responsive design principles into the development of the game interface. (ReactJS, NodeJS, MongoDB, Socket.io)

E-commerce Website

- Implemented Redux architecture to streamline frontend data flow. User and Seller views utilizing ReactJS with Redux integration. Features:- Payment using Stripe, media upload on Cloudinary, Separate admin routes.(Redux, ReactJS, Cloudinary, NodeJS, MongoDB,Heroku, Postman)

Virtual Classroom

- Built a virtual environment for students deprived of access to specialized Labs. Implemented 3 labs (2 Chemistry Labs, 1 Astronomy Lab). Tech Stack Used:- Unity (Virtual Environment using C), ReactJS(UI), NodeJS (Backend), MetaMask (Secure Login), MongoDB.

LEADERSHIP ROLES

Core Team Member - Google Developer Students Clubs   August, 2021 - September, 2022
- Organized and coordinated events like 30 days of Google Cloud, and Android Study Jams. spread awareness and conduct workshops on new emerging technologies to batchmates and juniors.

Class Representative 7th Semester   July, 2023 - December, 2023