Ravneet Kaur

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Summary

Computer Science undergraduate with a strong foundation in Data Structures & Algorithms (DSA), MERN stack development, and core software engineering principles.

Skills

Programming Languages: Java, C++, Python

Web Technologies: HTML, CSS, JavaScript, React, Node.js, Express.js

Database Management: MongoDB, MySQL

Cloud & DevOps Tools: AWS (EC2, S3, IAM), Git, GitHub, Postman

Core Competencies: Data Structures & Algorithms (Java), Object-Oriented Programming (OOP), RESTful APIs, JWT Authentication, bcrypt

Computer Science Fundamentals: Operating Systems (OS), DBMS, Computer Networks (CN), Software Engineering

Soft Skills: Team Collaboration, Effective Communication, Critical Thinking, Task Prioritization

Projects

Chat App (Moody) | MERN Stack | Dec 2024

- Engineered and launched a real-time chat application utilizing React, Node.js, Express.js, and MongoDB, which integrated Socket.io for low-latency messaging; decreased average message latency by 150ms.
- Implemented user authentication using JWT & bcrypt, achieved 30% higher user engagement.

Lyric Search App (Melody Mania) | Feb 2024

- Engineered a responsive user interface using HTML, CSS, and JavaScript, reducing page load time by 20%.
- Integrated a lyrics API, enabling users to access song lyrics with a 95% accuracy rate based on their queries.

Experience

Web Development Intern | Oasis Infobyte | Apr 2024 – May 2024

- Developed and deployed a responsive to-do list and calculator app using HTML, CSS, and JavaScript, achieving 200+ active users.
- Focused on intuitive UX/UI and cross-device compatibility.

Education

Bachelor of Engineering in Computer Science

Chitkara University, Rajpura   2022 - 2026

CGPA: 8.69

Senior Secondary Education XII

Sri Aurobindo International, Patiala   2021 - 2022

Percentage: 89%

Certifications

- Fundamentals of UI/UX Design (Coursera – offered by Microsoft)
- IBM Applied DevOps Engineering (Coursera)
- Introduction to Cyber Security (Cisco)
- AI Foundations for Everyone (Coursera)

Achievements

Use Case Scenario in Federated Learning-Based Intrusion Detection System   Jan' 23 – July' 23

- Co-authored a research paper, Published in the Proceedings of the International Conference on Data Analytics and Insights (ICDAI 2023), Kolkata, India.