Shivansh Nayital

Software Engineer

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Summary

Motivated and detail-oriented Computer Science Engineering student with a strong foundation in programming, data structures, and software development. Proficient in C, C++, and Java, with hands-on experience in web development, machine learning, and full-stack project implementation. Adept at problem-solving and building efficient algorithms, with a passion for developing scalable, user-friendly applications. Experienced in tools like Flask, MongoDB, and TensorFlow. A collaborative team player with strong communication skills, eager to contribute to impactful technology solutions and continuously grow in the software development field.

Technical Skills

Languages	: Python, C++, Java, Dart, JavaScript, SQL
Tools & Technologies	: Git, Firebase, Arduino, Figma, Canva, AWS
Soft Skills	: Team Collaboration, Leadership, Problrm-Solving

Projects and Research Paper

Universal CanteenConnect   Jan 2025-April 2025

Redefining Multi-Institution Food Management with Technology :   Mohali, India

- Developed Universal CanteenConnect, a cross-platform mobile app using Flutter for efficient canteen management across schools, colleges, and offices.
- Implemented multi-dashboard interfaces tailored for different institution types, enhancing usability and role-based access.
- Integrated online payment systems, review modules, and real-time chat features to improve user engagement.
- Enabled personalized meal selection, order tracking, and inventory alerts for seamless service and vendor coordination.
- Leveraged predictive analytics to assist in data-driven decision-making for canteen operations.
- Focused on enhancing transparency, security, and operational efficiency in institutional food service management.

Online Code Editor   June 2024-July 2024

Integrated an online code editor for users to write, compile, and test code snippets directly within the app: Mohali, India

- Developed an online code editor using React and the Monaco Editor, providing a user-friendly interface for coding.
- Implemented real-time collaboration features, allowing multiple users to edit code simultaneously.
- Integrated a backend using Node.js to handle user authentication, project saving, and execution of code snippets.
- Utilized WebSockets to enable live updates and seamless synchronization across different users' sessions.
- Supported multiple programming languages with syntax highlighting and customizable editor themes for an enhanced developer experience.

Aerolink   Feb 2024-May 2024

Transforming Air Travel Booking with Scalable MERN Stack Technology   Mohali, India

- Developed AeroLink, a full-stack flight booking web application using the MERN stack (MongoDB, Express.js, React, Node.js).
- Streamlined the air travel reservation process with a secure, scalable, and user-friendly interface.
- Designed features for both travelers and airline administrators, enabling efficient booking, management, and monitoring.
- Focused on personalization and performance, delivering a smooth and responsive user experience.
- Engineered the platform with scalability and future expansion in mind, supporting high traffic and growing user needs.

Certifications

Databases and SQL for Data Science - IBM

Introduction to Databases - META

React Native - META

Cybersecurity Attack and Defense Fundamentals - EC Council

Education

Bachelor of Engineering, Computer Science Chandigarh University, Mohali CGPA: 6.5	Aug 2022 - Present
10+2 in Non-Medical Priyadarshni Public School, Palampur, H.P Percentage: 61.2%	April 2021
10th Government Public School, Palampur, H.P Percentage: 83%	May 2019