Himanshu Rana

Personal details

👤 Himanshu Rana

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Skills

C++

Git

Android

Chromium

Java and Spring Boot

Data Structures and Algorithms

Microservices

Web Development (Frontend)

Machine Learning

Node.js

Python Fundamentals

Object Oriented Programming

SQL and DBMS

Languages

English

Profile

- **Software Developer with 2+ Years of Experience at Samsung R&D Institute, Noida**: Specialized in **C++** and **Java** programming to implement critical enhancements for the **Samsung Internet** application, built on the **Chromium open-source** browser, ensuring performance improvements and feature optimizations.
- Streamlined bug identification processes; achieved a personal target of fixing an average of 10 high-priority defects weekly, enhancing overall application reliability for both **PC** and **Android** users.
- Proficient in providing **operational efficiency**, performing maintenance & enhancement operations, optimizing code to achieve **zero defect delivery.**

Education

Bachelor in Engineering   **Jul 2018 - Jun 2022**
University of Engineering & Technology, Panjab University, Chandigarh
CGPA: 8.69

Employment

Software Engineer-1   **Jul 2022 - Sep 2024**
Samsung R&D Noida, India
- Designed and deployed scalable web solutions in collaboration with the Web services team, enhancing performance across Android and PC platforms for over **500,000** monthly active users; ensured seamless integration throughout.
- Partnered with Google's development team to identify, troubleshoot, and resolve more than 60 critical issues related to **Chrome** and **Android System webview**, improving browser stability and performance.
- Played a key role in developing AI-Powered '**Browsing Assist**' Feature for Samsung Internet browser that enhances user experience by providing intelligent browsing suggestions and assistance, resulting in a **40%** increase in user engagement.
- Spearheaded the development of new features in **User Manual** and applying **chrome customizations** varying in more than 5 regions.
- Revamped the Native UI component by redesigning **Bookmarks** and **Downloads** interfaces, resulting in an improved user experience while enhancing visual consistency across the browser.
- Spearheaded the development of an AI-driven genre detection system using deep learning models, enhancing audio customization by allowing users to automatically optimize equalizer settings for **15** different music genres.

SWE-Intern   **Jan 2022 - Jun 2022**
Samsung R&D Noida, India
- Implementation of a web browser based on Android WebView creating an intuitive and user-friendly experience.
- Collaborated with the **Samsung Knox** team to enhance security features for **Android mobile devices**, ensuring robust protection against vulnerabilities and unauthorized access.

Intern   **Dec 2020 - May 2021**
People Tech Group INC, Hyderabad, India
- Developed and integrated RESTful APIs in C# using .NET framework,

Hindi

enhancing backend functionality for a live web application; streamlined data exchange processes, resulting in a 35% increase in response speed.
- Co-ordinated in designing and implementing the **Model-View-Controller (MVC)** architecture, improving the scalability and maintainability of the application.

Projects: **Jan 2022 - Mar 2022**

1. Twitter Feeds Analysis
- Developed a robust polling mechanism that extracted 10,000 tweets daily and integrated them into Kafka consumers; ensured real-time processing with minimal latency, enhancing data availability for subsequent analysis.
- Crafted high-performance back-end solutions powered by Spring Boot framework.

Jul 2021 - Aug 2021

2. Speech Analyzer & Face Recognition Using AWS
- The application records speech in one language, transcribes it, translates it, plays it back in another language, and analyzes the sentiment of the spoken content.
- Created a face recognition service, enabling the application to identify up to 1,000 individuals in real-time while analyzing emotional responses from images for enhanced user interactions.
- Implemented using AWS services like Amazon Transcribe, Amazon Translate, Amazon Polly, Amazon Rekognition, Amazon S3, Amazon Lambda etc.