

Avanish Raj Singh

✉ avanishraj005@gmail.com ☎ +91 9560696143 💻 Leetcode in avanish-r-69965b124 🌐 avanishraj

Education

UNIVERSITY SCHOOL OF AUTOMATION AND ROBOTICS

B.Tech. in Industrial Internet of Things

Expected Graduation:
2025

- GPA: 7.71/10.0

Experience

Software Engineer Intern

Hattchlab Development Technologies Pvt. Ltd.

New Delhi, Delhi
Nov 2023 - Present

- Led the full-stack development and deployment of Pursue's admin dashboard, **iOS**, and **Android** apps using **Flutter**, **Spring Boot**, and **AWS**, driving a 20% increase in user acquisition.
- Designed scalable APIs, enhanced career suggestion algorithms by 25%, and integrated **Razorpay** payment gateway, reducing transaction time by 50% while ensuring seamless performance.
- Streamlined operations by implementing **CI/CD pipelines** with **Docker** and **AWS**, enabling efficient hosting, automated deployments, and high system reliability.

Software Developer

SDC (Software Development Cell)

New Delhi, Delhi
Nov 2022 - Mar 2024

- Designed a Flutter application for an Attendance Management App, boosting user satisfaction by 40% through intuitive design and responsive layouts.
- Integrated APIs, reducing the data retrieval time by 30%, improving efficiency. UI / UX improved, improved app performance by 35% and increased user engagement by 25%

Projects

Early Pulse

[source code](#) [↗](#)

- Developed a Flutter-based AI health app with real-time monitoring and predictive analytics, backed by **FastAPI**, **Langchain**, **Llama2**, and **Firebase** for efficient data management and AI integration.
- Built the backend for the admin dashboard using **Java Spring Boot**, enabling labs to manage user services, upload reports, and analyze revenue, with seamless API integration for ReactJS front-end.
- Implemented **Mixpanel** for user event tracking and **OneSignal** for **CRM**, improving engagement. Working on a **chatbot for medical queries** that **suggests body checkups** based on conversations and **dynamically retrieves labs offering relevant tests** (e.g., X-ray, CBC).
- Designed a robust backend architecture, reducing diagnosis time by 30% with **generative AI** for health **report analysis** and streamlining app and dashboard workflows.
- Tools Used: Java, Spring Boot, Firebase, Flutter, FastApi, Llama2, OneSignal, Mixpanel, Docker, AWS

Job Application

[source code](#) [↗](#)

- Decomposed an application into three **microservices** (job, review, company), enabling seamless CRUD operations and efficient data management for easier maintenance and updates.
- Enhanced system performance, leading to a 15% reduction in response times for job posting and review processes.
- Tools Used: Java, Spring Boot, Postgres, Docker

Technologies

Languages: Java, Python, Dart, C, MySQL

Technologies: Flutter, Spring Boot, JDBC, Hibernate, Mockito, Kafka, Spring Security, Microservices, Junit, Langchain, MySQL, MongoDB, JWT, Firebase, Nginx, Docker, Kubernetes, AWS.

Soft Skills: Leadership, Communication, Teamwork, Drive, and Initiative

Achievements and Activities

- Achieved a rating of **2200+** on **LeetCode**, earned the **Guardian badge**, and ranked in the top **0.8%** of users.
- Recognized as one of the **Top 100 brains** in **HackWithInfy** by **Infosys**, celebrating an exhilarating journey and the opportunity to participate in a prestigious four-day **national** challenge hosted by **Infosys at the Pune DC**.
- coordinated a team of 100+ **NCC** cadets across **3** camps and 1 **national** camp, driving key initiatives aligned with the organization's mission.