

HARSH SINGH

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Objective

Aspiring Software Engineer Intern with a solid foundation in Data Structures and Algorithms, Android Development, and a track record of impactful contributions to open-source projects. Eager to leverage my problem-solving skills and optimal approach to programming in an internship that fosters growth and learning in a collaborative environment.

Education

RGPV University, Bhopal (M.P)

07/2021 – Expected 06/2025

Bachelor Of Technology in the branch of Computer Science and Engineering.

GPA: 7.84/10

Coursework: Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networking, Software Engineering.

Technical Skills

Languages/Database: Java, Kotlin, C/C++, Python, SQL.

Tools and Technologies: Android Studio, Android SDK, Git, GitHub, Version Control, Firebase, RESTful APIs, Android Architecture Components, Material Design, Linux, Windows.

Soft Skills: Problem Solving, Teamwork, Communication, Creativity, Attention to Detail.

Projects

KanbanBoard | *Project Management Application* [Git](#)

06/2023 – Present

- **Project Description:** A project management application that uses Firebase Firestore to store data in the cloud. The application allows users to create projects, add tasks to projects, and assign tasks to users. It also supports drag-and-drop functionality, notifications, and user profiles.
- **Technologies Used:** Android, Java, XML, Firebase Firestore, Drag-and-drop, Notifications, User profiles.
- **Skills Demonstrated:** Using Firebase Firestore, Implementing drag-and-drop functionality, Sending notifications, Creating user profiles.

BodySync | *Workout Application* [Git](#)

07/2023 – 08/2023

- **Project Description:** A workout application that allows users to track their workouts, set goals, and receive feedback.
- **Technologies Used:** Android, Kotlin, XML, SQLite, Text to Speech.
- **Skills Demonstrated:** Building complex UIs, Playing sounds and using the media player, Using text to speech, Using recycled views, Hiding and displaying UI elements, Storing data permanently on the device.

Experience

Google Developers Student Clubs | [Website](#)

08/2023 – Present

Co-Lead

Bhopal, (Madhya Pradesh)

- Organized and led weekly meetings.
- Successfully executed 3 tech events, with an average participation of 100+ students in event of GDG & GDG Cloud.
- Managed a team of 10 volunteers, coordinating with them to ensure seamless event execution.
- Increased the coding club's membership by 20% within 1 month.

Hacktoberfest 2022 | [Website](#)

10/2022 – 11/2022

Hackathon Open-Source Contributor

Remote

- Contributed to the renowned “@TheAlgorithms” repository, a widely recognized open-source project.
- Contributed to 10 open-source projects. Submitted 20 pull requests, all of which were reviewed and merged into the main repositories. Improved the performance of 3 open-source projects by an average of 10%. Fixed 15 bugs in open-source projects.
- Used Java, Data Structures and Algorithms, Android Development, and Kotlin.
- Added optimized solutions to DSA problems in different repositories.
- Fixed user experience bugs in Android applications.

Awards and Honors

Best Presentation And Logo Design Award in Codebite Hackathon | [Link](#)

02/2023

- **CODEBITE 2023:** A State Level Hackathon conducted by Sheryians Coding School on Feb. 23-24, 2023, at SIRT Bhopal. This was biggest Web Development Hackathon in Madhya Pradesh. There were 140 teams participating in the hackathon, and our team was one of the 10 teams that made it to the final round.

Certifications

Data Structures and Algorithms with Java | *Apna College* [Link](#)

08/2022 – 02/2023

- **Skills Gained:** Problem Solving, Task Execution, Data Structures, Object-Oriented Programming (OOP), Algorithms, Software Development, Core Java, Java.

AWS Essentials Certification | *ITE Infotech* [Link](#)

10/2022 – 10/2022

- **AWS Essentials Certified:** Validated foundational knowledge of the AWS Cloud.

Python | *Techdigi Software Pvt Ltd* [Link](#)

05/2023 – 05/2023

- **Skills Gained:** Python (Programming Language).