

Shivam Agrawal

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leetcode.com/shiwal25

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EDUCATION

- **VIT Bhopal University**
B.Tech Computer Science and Engineering; CGPA: 8.71 *Aug 2023 – May 2027*
- **Navayuga Radiance Senior Secondary School**
Secondary School; CBSE: 79.4% *Apr 2022 – May 2023*
- **Lucknow Public School and Colleges**
High School; ICSE: 97% *Apr 2020 – May 2021*

RELEVANT COURSEWORK

Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Architecture and Organization

PROJECTS

- **Study Companion App** *[Java, Gemini API, Firebase]*
 - Built an AI-powered assistant using Gemini API for answering study-related questions.
 - Integrated To-Do List, Study Timer, and Schedule Maker to help students stay organized.
 - Implemented Firebase Authentication and Firestore Database for secure login and chat history storage.
- **DigiPIN App** *[Kotlin, Render, Google Maps]*
 - Forked and deployed the official DigiPIN API to Render (avg. response time: 240ms).
 - Integrated it into an app that allows users to generate a DigiPIN from their current location and fetch coordinates for any given DigiPIN using Google Maps.
- **LeetCode Profile API** *[Kotlin, GraphQL, Postman]*
 - Reverse-engineered LeetCode's internal GraphQL API to fetch user stats using their username.
 - Successfully tested queries in Postman; a Kotlin-based app is in development.
- **Price Comparison Engine (Ongoing)** *[Kotlin]*
 - Reverse-engineering product search API from various quick-commerce platforms.
 - Building Android app to compare product prices across platforms in real-time.

CERTIFICATIONS

- **Introduction to Machine Learning** NPTEL, Issued May 2025
- **Postman API Fundamentals Student Expert** Postman, Issued May 2025
- **The Bits and Bytes of Computer Networking** Google, Issued Nov 2024
- **MATLAB Onramp** MATLAB, Issued Aug 2023

TECHNICAL SKILLS

- **Languages** Java, Kotlin, Go, C++, Python
- **Frameworks** Android SDK, Jetpack Compose, Firebase
- **Libraries** Retrofit, Volley, Firebase Authentication, Firestore, Coroutines, Lottie, Material Components
- **Dev Tools** Git, GitHub, Google Cloud Platform, Android Studio, Postman, Firebase Console, Render, UptimeRobot, VS Code, IntelliJ IDEA, PyCharm

EXTRACURRICULAR ACTIVITIES

- **Open Source Contributor – OneBusAway (Open Transit Software Foundation)**
 - Raised issues and proposed bug fixes on GitHub.
 - Fixed UI accessibility by increasing touch target sizes and improving contrast of widgets.
 - Collaborated with project maintainers to suggest improvements. Gained experience with large open-source code bases, Git workflows, and community collaboration.
- **E-Cell – VIT Bhopal**
 - Maintained the website using HTML and CSS.
 - Handled technical setup for events.