

Prathamesh Vivek Bhagat

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Summary

A versatile programmer with 6+ months of internship experience, having tackled 300+ LeetCode problems, and expertise in Android and web development. Equipped with strong problem-solving capabilities and a proven track record of delivering innovative projects, eager to take on the most ambitious problems and bring life to impactful solutions.

Education

Bajaj Institute of Technology, Wardha – B. Tech. (Computer Engineering) [DBATU] 2020 - 2024
Indian Institute of Technology, Kharagpur – Programming in Java (A non-degree course) [NPTEL] Jul - Oct 2021

Experience

Software Developer Intern | OFY Wellness, Nagpur February 2024 – Present

- **OFY Wellness Android app (Java)** [link]
 - Worked on building the OFY Wellness Android app in Java using XML and Firebase database.
 - Added daily diet logging and viewing features using Firebase real-time database and cloud storage.
 - Implemented meal image and nutrient detection via Gemini Pro Vision AI/ML models and APIs.
 - Tuned the model and improved meal image and nutrient detection by over **50%**.
 - Added broadcast messaging features for users to interact with each other.
 - Complemented meal logging with medicine intake logging and viewing features.
 - Close to publishing the app to the Google Play Store.
- **A Spring Boot Revenue Converter (Java)** [link]
 - Built a Spring Boot revenue converter and scaled conversion feature to **10+** currency pairs.
 - Dockerized the Spring Boot application and increased its availability by more than **10%** by deploying it to an AWS EC2 instance and multiple Docker containers.

Software Developer Freelancer | Hazirs, remote December 2022

- Crafted an Android application in Java and XML from scratch using the Google Sign-In API.
- Implemented email authentication and log-in and reduced the number of clicks required before reaching the home page by about **33%**.

Projects

- **Hindi4All: A brand-new programming language (JavaScript, PHP)** [link]: which is in Hindi and has the features of a traditional programming language, documentation, an editor, and CLI support.
- **Stock trading (Python, Java)** [link]: applications that operated APIs provided by leading stock brokers, namely Kota Securities, Fyers, and Zerodha, that algorithmically traded stocks & futures contracts worth **~₹10,000**.
- **Autonomous drone (C++, JavaScript)** [link]: attempt to assemble an internet-controlled autonomous drone.
- **Portfolio Site (JavaScript, React)** [link]: React J.S.-based portfolio site with an overview of projects done.

Skills

Proficiencies:

- *Languages*: Java
- *Technologies*: REST APIs.
- *Domains*: Android application development and web back-end development.
- *Others*: Git, GitHub, VS Code, and Android Studio.

Familiarities:

- *Languages*: JavaScript, PHP, Python, SQL, C++.
- *Databases*: Firebase, MySQL, and MySQL Workbench, MongoDB.
- *Technologies*: Multi-threading, Microservices, ReactJS, Bootstrap, Spring Boot.
- *Domains*: Full-stack web development, AI/ML model development and integration.
- *Others*: GitHub Actions, AWS, Docker, Postman, Selenium, Ubuntu (Linux), and PHPMyAdmin.

Certifications

AWS: Cloud Foundations; **Cisco**: NDG Linux Unhatched; **Cisco**: Programming Essentials in Python;
Cisco: Networking Basics; **Indian Institute of Technology, Bombay**: Web Development Workshop;