Prathamesh Vivek Bhagat | *Primary prog. lang.: **Java***

✉ prathameshbhagat0608@gmail.com | 📞 +91 705-803-1648

🔗 linkedin.com/in/prathameshvivekbhagat

 github.com/PrathameshBhagat

 leetcode.com/Prathamesh_Bhagat

🌐 prathameshbhagat.github.io

Education

Bajaj Institute of Technology, Wardha – ***B. Tech.*** (*Computer Engineering*) [DBATU]   2020 – Aug 2024

Lal Bahadur Shastri Jr. College, Bhandara – ***12th std.*** *(PCMB + IT)* [Maharashtra State Board]   2019 – Feb 2020

Experience

Software Developer Intern | OFY Wellness, Nagpur | ofyclinics.com   February 2024 – August 2024

(OFY Wellness provides skin, body, and hair treatments and services with over 50,000 clients served to date.)

    OFY Wellness Android app (Java) [*link*]
- Built the OFY Wellness Android app in **Java** to disrupt the *multi-billion-dollar* health tech industry.
- Implemented daily diet, water, medicine intake, and weight tracking features using **Firebase** and **scaled** the medicine intake tracking feature to track up to **5 medicines**.
- Implemented meal image and nutrient detection via the **Gemini Pro Vision (AI)** model and improved detection by **over 50%** by updating the prompts to the model.

    A Spring Boot Currency Converter (Java) [*link*]
- Built a *Spring Boot* currency converter and scaled the currency 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 | hazirs.com   December 2022

(Hazirs is an early-stage start-up with strong ambitions to disrupt the house help industry.)
- Crafted an Android application, Hazirs, in **Java** to digitize the > $60 *billion* cleaning and house help industry.
- Incorporated email authentication and log-in features and reduced the number of clicks required before reaching the home page by about **33%** using the *Google Sign-In API.*

Projects

Hindi4All: (**JavaScript, PHP**) [*link*]:
- Attempted to build *a brand-new programming language* in **Hindi,** to help increase salaries by > **20%** by enabling the non-English-speaking population to enter the world of programming and technological advancements.
- Integrated features of a traditional programming language like *loops, conditionals, operators, datatypes, etc.*
- Developed documentation, an online code editor, and CLI support for the language to assist the users.

Stock trading applications (**Java**, **Python**) [*link*]:
- Built Android and desktop applications that operated APIs provided by leading Indian stock brokers, namely **Kotak Securities** and **Fyers***, to *algorithmically trade stocks and futures contracts* worth over **$100** (~*₹10,000*).
- Crafted applications that *autonomously traded stocks* by making automated logins and order bookings via *Selenium* and *Chromium* and web scraping **Zerodha's** website (also a leading Indian stockbroker).

Quadcopter Drone (**C++, JavaScript**) [*link*]:
- Attempted to build an internet-controlled autonomous drone and **s*elf-programmed*** the *receiver and transmitter.*
- Used open-source code on *Arduino UNO R3* for the flight controller to reduce the load on a single microcontroller.
- Reduced the overall build cost by > **70%** from approx. **$400** to **$80** (~*₹35,000 to ~₹7,000*).

Skills

- *Primary programming language*: **Java**. (Familiar with JavaScript, PHP, Python, and SQL).
- *Domains*: **Android application development.** (Familiar with back-end and full-stack web development.)
- *Technologies*: **HTTP**(s) **requests** / **REST APIs**. (Familiar with multi-threading and microservices.)
- *Beginner-level proficiencies:* GitHub Actions, AWS, Docker, Postman, Ubuntu (Linux), React, Firebase real-time database, MySQL, and MySQL Workbench.

Accomplishments

- **Top 5%** Leet Coder with having tackled **400+ problems** and solved *200+ medium-level* problems.
- Achieved an **Elite + Silver** recognition in the *Programming in Java* course by **IIT Kharagpur** (via NPTEL).
- Attended **Asia's largest tech fest** at IIT Bombay *twice*, gaining exposure to cutting-edge technology and leveraging the opportunity to network with some of the country's top talents and industry professionals.
- Earned **Web Development** certification from **IIT Bombay** and participated in its cultural fest, Mood Indigo.