Prathamesh Vivek Bhagat | Nagpur, Maharashtra, India [440027]

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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**)
  – 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.
  – Added broadcast messaging features for users to interact with each other.
  – Tuned the model and improved meal image and nutrient detection by over 50%.
  – Close to publishing the app to the Google Play Store.
- A Spring Boot revenue converter (**Java**)
  – Developed a Spring Boot revenue converter to convert earnings into different time brackets to assist costs and revenue calculations.
  – Supplemented currency conversion feature and scaled currency pairs 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

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

Skills

Proficiencies:
  – *Languages*: Java, JavaScript, PHP, and SQL.
  – *Databases*: Firebase, MySQL, and MySQL Workbench.
  – *Technologies*: REST APIs, multi-threading.
  – *Domains*: Android application development and web back-end development.
  – *Others:* Git, GitHub, VS Code, and Android Studio.

Familiarities:
  – *Languages*: Python, C, C++, HTML, XML, CSS, and JSON.
  – *Databases:* MongoDB.
  – *Technologies*: 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;