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## Education

Bajaj Institute of Technology, Wardha – **B. Tech. (Computer Engineering)** [DBATU] 2020 – Aug 2024  
Indian Institute of Technology, Kharagpur – **Programming in Java (A non-degree course)** [NPTEL] Jul – Oct 2021  
Lal Bahadur Shastri Jr. College, Bhandara – **12<sup>th</sup> std. (PCMB + IT)** [Maharashtra State Board] 2019 – Feb 2020

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## Experience

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

- **OFY Wellness Android app (Java)** [link]
  - Built the OFY Wellness Android app in **Java** to disrupt the *multi-billion-dollar* health tech industry.
  - Added daily diet logging and viewing features using **Firestore** real-time database and cloud storage for Firebase.
  - Implemented meal image and nutrient detection via the **Gemini Pro Vision (AI)** model and SDKs/APIs.
  - Improved meal image and nutrient detection by **over 50%** by updating the prompts to the model.
  - Designed and implemented a **broadcast messaging** feature enabling users to interact with each other.
  - Integrated daily medicine intake logging and viewing features and **scaled** it to track up to **5 medicines**.
  - Delivered water intake and **weight tracking** features and added *splash screen animation* for better UX.
  - Complemented nutrient, weight, and water intake tracking features with **interactive graphs** for better UX.
  - 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 the 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

- Crafted an Android application, Hazirs, in **Java** to digitize the > \$60 *billion* cleaning and house help industry.
- Implemented 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*.

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## 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. With the potential to increase the salaries of **thousands** of users by more than **30%** on average.
- **Stock trading (Java, Python)** [link]: Android and desktop applications that operated APIs provided by leading Indian stock brokers, namely **Kota Securities** and *Fyers*, to *trade stocks and futures contracts* worth more than around **\$100 (~₹10,000)** algorithmically. Also *traded stocks autonomously* by web scraping **Zerodha's** website (also a leading Indian stockbroker) and making automated logins and order bookings via *Selenium & Chromium*.
- **Autonomous drone (C++, JavaScript)** [link]: attempt to build an internet-controlled autonomous drone. Self-programmed the receiver and transmitter and used open-source code on cost-effective *Arduino UNO R3* for the flight controller, reducing the overall build cost by > **70%** from approx. **\$400 to \$80 (~₹35,000 to ~₹7,000)**.
- **Portfolio Site (JavaScript, React)** [link]: a basic website that provides an overview of projects worked on.

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## Skills

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

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## Accomplishments

- **Top 10%** Leet Coder with having tackled **350+ problems** and solved *150+ 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.
- Earned **AWS Academy Cloud Foundations** certification and **CISCO certification**, including *NGD Linux unhatched, Programming Essentials in Python, and IoT Fundamentals: Connecting Things*.