

VIVEK KUMAR

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Technical Skills

Languages: Java, C/C++, HTML, CSS , JavaScript, SQL
Libraries/Frameworks: ReactJs, SpringBoot, Kafka
Technologies: Git and Github, Postman, Docker, REST API, Firebase, AWS
Operating Systems: Linux-Unix, Windows
CS Fundamentals: DSA, Low-Level Design, Computer Networks, OOPs, Cloud Computing, OS, DBMS

Education

DY Patil School of Engineering and Technology

B.Tech - Computer Engineering - CGPA: 8.89

Nov 2021 – Jun 2025

Pune, Maharashtra

Vidya Bharati Chinmaya Vidyalaya

AISSCE - PCM and CS - Percentage: 90.6

Apr 2018 – May 2020

Jamshedpur, Jharkhand

Experience

Zidio Development

Software Developer Intern

Aug 2024 – Sept 2024

Pune, Maharashtra

- Developed a banking application, implementing more than **5 core modules** for transaction processing.
- Engineered an efficient CRUD operation framework using **SQLite** to manage over **10,000** user records in real time.
- Integrated the **Razorpay** payment gateway to handle over **100+** daily secure transactions.
- Tech Stack: **Java, SQLite, XML**

Amdocs (InUnity)

Innovation Project Intern

Jan 2023 – Jun 2023

Pune, Maharashtra

- Spearheaded the development of an internal tool for tracking **temperature and humidity** in the **Onion Storage System**, enables real time data monitoring and editing, resulting in a **25%** reduction in onion spoilage during storage.
- Created Arduino programs with **BLYNK, DHT11, and ESP8266** for data sensing and computations.
- Tech Stack: **C++, Figma, Arduino, BLYNK Cloud**

Projects

Indoor Path | C#, ARCore, Unity | [Source Code](#)

Jul 2024

- Collaborated with an **ARCore-based** indoor navigation system, enhancing navigation across **10,00+** square feet.
- Designed interactive **3D** maps for **6+** floors using Unity, enabling floor transitions and real-time navigation.
- Tested the application on **10+ devices**, identifying and fixing 95% of bugs before deployment.

Multi Threaded Webserver | Java, Thread Pool, Socket, HTTP/HTTPS | [Source Code](#)

Feb 2024

- Coded a **multi-threaded web server** using Java, capable of handling **1 million** client requests.
- Utilized resource management with a **100-thread pool** for optimal utilization and low latency.
- Parsed and managed **1000+ HTTP** requests per second, ensuring reliable HTTP/HTTPS protocol handling.

Seat Serve | Java, MongoDB, Gradle | [Source Code](#)

Oct 2023

- Implemented a **Java-based ticket-booking** backend using MongoDB, having a response time under **200ms**.
- Created RESTful API to manage **500+ concurrent requests/sec** for bookings, cancellations, and availability checks.
- Conducted load testing using **Apache JMeter**, ensuring the system could handle **1,000+ concurrent users**.

Achievements

- **Codechef** Starters 54: Global rank **276** out of 12000+ participants.
- **LeetCode** Weekly 437: Global rank **664** out of 30700+ participants.
- Secured **2nd rank** in Blind Coding competition with **60+** participants at Anatrang Inter-College Fest.
- Awarded as the **best Research Paper** at the 1st **National Conference RISES 2024** organized by DYPU.
- **LeetCode** : 1820+ (rating) • **CodeChef** : 3 Star (1602) • **Geeks For Geeks** : 561 Coding Score

Position of Responsibility

- **Antarang:** Designing Coordinator of Annual Fest of DY Patil, Pune
- **DYPU KRITI:** Researcher of the official KRITI club of DYPU.
- **IT Colloquium:** Led as designing coordinator of the event, an inter-school Project expo with **200+ footfalls**.