

VIVEK KUMAR

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Education

DY Patil School of Engineering and Technology

B.Tech - Computer Engineering - CGPA: 8.78

Nov 2021 – Jun 2025

Pune, Maharashtra

Vidya Bharati Chinmaya Vidyalaya

AISSCE - PCM and CS - Percentage: 90.6

Apr 2018 – May 2020

Jamshedpur, Jharkhand

Experience

The Spark Foundation

Android Developer Intern

Apr 2024 – May 2024

Remote

- Created and designed an Android Banking app on **Java**. Implemented a **CRUD functionality** using **SQLite DB**.
- Influenced and integrated a feature which store **transaction history** with **payment gateway(Razorpay)**.
- Tech Stack: **Java, SQLite, XML**

Amdocs (InUnity)

Innovation Project Intern

Jan 2023 – Jun 2023

Pune, Maharashtra

- Developed a backend and frontend internal tool for tracking and managing **temperature and humidity** statistics in **Onion Storage System**. Enabled **real-time monitoring** and editing of temperature and humidity data, significantly reducing onion wastage during storage.
- Authoring multiple **Arduino**-based programs for team use, interfacing with the **BLYNK cloud**. Conducted data computations based on specific requirements, utilizing **DHT11 sensors** and **ESP8266 modules** for data sensing.
- Tech Stack: **C++, Figma, Arduino, BLYNK Cloud**

Projects

Indoor Path | Source Code

Jul 2024

- Collaboratively developed a **ARCore based application** in a team to make indoor navigation easier.
- User can find shortest distance between points inside a building which is done by **A* algorithm**. Contributed to various **C# components** and authored **designing** of map.
- Tech Stack: **C#, ARCore, Unity**

Multi Threaded Webserver | Source Code

Feb 2024

- Independently developed a **multi-threaded** web server using **Java**, to handle concurrent **client requests**.
- Implemented **low-level socket programming** to manage client-server communication, and also efficient for parsing **HTTP requests**.
- Tech Stack: **Java, Concurrency Libraries, Socket Programming, HTTP/HTTPS**

Graph Plotter | Source Code

Dec 2023

- Developed a Graph Plotter using **Java AWT** which uses **postfix** method to plot function graph.
- Tech Stack: **JavaFx, Regrex, Swing**

Technical Skills

Languages: Java, C/C++, Kotlin, JavaScript, SQL

Libraries/Frameworks: SpringBoot, JavaFx, Reach.Js, XML, Socket.io

Technologies: Git and Github, Postman, Android SDK, REST API, Figma, MySQL, Firebase

CS Fundamentals: DSA, Low-Level Design, Computer Networks, OOPs, Cloud Computing, OS, DBMS

Achievements

- **Codechef** Starters 54 : Global Rank **276** out of 12000+ participants.
- **Leetcode** Weekly Contest 373 : Global Rank **372** out of 15000+ participants.
- Solved more than **120+** questions on **Chegg** platform.
- Solved more **400+** **DSA problems** across all platforms.

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**: Lead as designing co-ordinator of the event, a inter school Project expo.