

Bhavya Rawal

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EDUCATION

VJTI UNIVERSITY

B.TECH IN COMPUTER SCIENCE

Grad. June 2020

HSC

PCM WITH COMPUTER SCIENCE

Grad. June 2016 | State Rank 42

SSC

SECONDARY STATE CERTIFICATE

Grad. June 2014 | 93%

LINKS

Portfolio:// bhavyarawal.dev

Github:// [bhavzie](https://github.com/bhavzie)

LinkedIn:// [bhavya-rawal](https://www.linkedin.com/in/bhavya-rawal)

SKILLS

PROGRAMMING

- TypeScript • Kotlin • Java • Python
- C++ • C

FRONTEND

- React Native • Android
- iOS • VueJS

BACKEND

- ExpressJS • GraphQL • Flask
- Redis • MySQL • MongoDB

MISC

- Shell • Github Actions • Jenkins
- GIT • Linux • Webpack

KUDOS

• 2024 May - Wrote a engineering blog on PatchWise an OTA update system for react native apps.

• 2022 Jul - Received organisation wide Kudos for bootstrapping and implementing the last mile app in a one month timeline.

• 2022 Feb - Awarded *Hustler* for consistent performances and outstanding contributions to the entire org.

• 2021 Jun - Received Kudos for improving performance of critical app screens by 60% and critical microservices by 70%

EXPERIENCE

QUIZZ.COM | SOFTWARE ENGINEER

Nov 22 - Present

- App Developer - Wrote and reviewed code on React Native, JavaScript, Android Native, iOS Native, VueJS
- Built PatchWise, a **patch-based OTA** app update system.
- Built a performant network and storage layer using **JSI** for the Quizizz app.
- Set up **continuous integration (CI)** for distributing apps to the App Store (for releases) and Firebase App Distribution (for testing).
- Re-designed the gameplay codebase, resulting in an **18%** reduction in CPU utilization, a **19%** reduction in input lag, and a **23%** decrease in re-renders.
- Created new game modes: Drag & Drop on Image question type and Equation Editor question type.
- Integrated and developed an end-to-end testing framework for the app using **Appium**.
- Built various end to end core features on the Quizizz website using **VueJS** and **ExpressJS**
- Built an LLM interface for generating country localised content using **Langchain**

UDAAN.COM | SOFTWARE ENGINEER L2

July 20 - Nov 22

- Full Stack Developer - Wrote and reviewed code using React, React Native, TypeScript, Kotlin, Java, GraphQL.
- Reduced **P99** Response Size by **80%** (**>200K Requests Daily**) using a GraphQL microservice.
- Reduced **P99** Response Time by **70%** (**>200K Requests Daily**) for critical buyer-path APIs.
- Improved Performance of 12 buyer-path app screens (**>100K Hits Daily**) by 60%.
- Reduced app crash rate by **60%**
- Developed the Last Mile App on **Android Native**.
- Achieved improvement in microservice's performance by 40% using effective caching strategies and correctly using coroutines.
- Integrated AppsFyler, Clevertap, MoEngage in the app for improving buyer retention and conversions.
- Orchestrated scheduled Notifications Jobs for maximising engagement.

BARCLAYS | SOFTWARE ENGINEERING INTERN

April 2019 - July 2019

- Pioneered a sprint tracking website(Similar to Agile Central) from scratch using **Flask** and **PostgreSQL**.

ACHIEVEMENTS

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|------|--|
| 2019 | Top 1% in Codechef October Challenge |
| 2019 | Top 2% in Codechef July Lunchtime Round |
| 2018 | Open Source Contributor (ArchLinux, KDE) |
| 2016 | Ranked 42 nd /3Lakh+ in State Engineering Entrance Exam (MHT-CET) |
| 2016 | HSC - 88% |
| 2014 | Ranked 2 nd /650 SSC - 93% |