

ADITYA KHAROTE

Software Developer

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Experience

Deutsche Bank

May 2023 – July 2023

Software Development Engineer Intern

Pune, India

- Designed and developed webhook-based dashboards in **Angular and Spring Boot** to monitor the health of bot processes and perform historical analysis of failure incidents.
- Developed bot processes for automation of business tasks in Blue Prism leading to an increase in productivity.
- Spearheaded the development of a **configurable and efficient Java library using Apache POI** to automate Excel report generation with pivot tables, file embedding, and placeholders, to be used by teams globally throughout the bank.

Buyceps

February 2023 – May 2023

Web and App Development Intern

Remote

- Architected and led the development of the e-commerce mobile application in **Flutter, BLoC and GraphQL**.
- Implemented **targeted push notifications** based on user's preferences, thereby increasing user retention rate.

EmployeeForums

July 2022 – January 2023

NextJS Intern

Remote

- Developed the web application for the social networking start-up in **Next.JS** and **TailwindCSS**, ensuring consistent UI across all devices for enhanced user engagement.
- Managed DevOps and cloud infrastructure, implementing **powerful GitHub Actions workflows** for **automated deployments to Google Cloud**, resulting in a **5x productivity boost**.
- Implemented client-side optimizations that led to a **75% reduction in site loading times**, better SEO and increased responsiveness.

Education

Sardar Patel Institute of Technology

2020 – 2024

B.Tech in Computer Engineering

CGPA: 9.54 / 10 (till now)

Coursework: Advanced Database Management Systems, Distributed Computer, Data Structures & Algorithms, Data Analytics, AI/ML, Theory of Computation

Technical Skills

Languages: C, Python, Java, HTML/CSS, JavaScript, TypeScript, SQL

Frontend Technologies: Angular, NextJS (React), Flutter & Native Android, GraphQL

Backend Technologies: NodeJS, Spring Boot, Unit Testing (Mocha, JUnit), MongoDB, Kafka, Docker

Projects

EduChain | *NodeJS, MongoDB, NextJS, Docker* | [Source Code](#)

May 2023

- Developed an **enterprise resource planning system** for the college Examination Section and Faculty to manage examinations, scores, **calculate student grades based on a gaussian distribution** and automatic generation of scorecards with SGPA's and CGPA's.
- Implemented sophisticated algorithms and flows to ensure easy consolidation of scores from faculty & speedy calculation and release of examination results with a **50% reduction in turnaround time**.

TechRace 2022 App | *Flutter, Firebase, NodeJS* | [View More](#)

January 2022

- Spearheaded the design and development of the cross-platform **city-scale treasure hunt** game in Flutter, Firebase, and NodeJS that was **simultaneously used by 300+ players** on the event day.
- Implemented real-time location tracking, hints & clues, **GPS & Bluetooth Beacons-based cheating detection**, transactions, leaderboards, and interactive maps to keep the players engaged.

AirMode for Android | *Java, Kotlin, Android* | [View More](#)

January 2021

- Developed an Android app that allows **control of media playback and task automation** through wave gestures above the **device's proximity sensor**. Available on Google Play Store.

Achievements

- 1st Place Winner at Smart India Hackathon** held in August 2022 at Chandigarh.
- Won Best Beginners Hack at S.P.I.T. Hackathon 2022 and 1st Place at SimpliHacks 2.0 held in June 2022.
- Held the position of Chairperson of Computer Society of India, S.P.I.T. Chapter - **managing a team of 45+ people**.
- Achieved **N5 proficiency in the Japanese Language Proficiency Test** and India Course Topper on NPTEL.