

# ADITYA KHAROTE

Software Developer

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## Experience

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### Procura Business Pvt Ltd

January 2024 – Ongoing

*Software Development Lead*

*Mumbai, India*

- Designed and developed **Procura Connect** - an integrated platform for clients, vendors and the company, facilitating seamless order management and **automation of E-way bills and invoices** which led to **reduction of 60 man-hours weekly** and a **25% decrease in order processing times**.
- Led a team of 3 developers in the creation of a comprehensive web and mobile solution for **Advance Mobility, an Uber Fleet**, optimizing the monitoring of **500+ vehicles** and enabling precise **payment calculations for 1500+ drivers** in Mumbai, leading to operational efficiencies and saving of **150 man-hours every week**.
- Orchestrated the robust server infrastructure, overseeing containers and pipelines, while integrating diverse external services such as BUSY Accounting and GST APIs for Procura, and LocoNav, Uber, and Payment Gateways for Advance.

### 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.

### EmployeeForums

July 2022 – January 2023

*NextJS Intern*

*Remote*

- 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**, and increased responsiveness.

## Education

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### Sardar Patel Institute of Technology

2020 – 2024

*B.Tech in Computer Engineering*

*CGPA: 9.24 / 10 (till now)*

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

**Minors Degree in Management** from S.P. Jain Institute of Management and Research

## Technical Skills

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

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

**Backend Technologies:** NodeJS, Spring Boot, MongoDB, Redis, Kafka, Docker, NestJS, GraphQL, Nginx, DevOps

## Projects

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**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 and CGPA.
- 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

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- Secured **1st Place Winner at Smart India Hackathon 2022** and **SimpliHacks 2022**.
- Held the position of Chairperson of Computer Society of India, S.P.I.T. Chapter - **managing a team of 45+ people**.
- Achieved **N4 proficiency in the Japanese Language Proficiency Test** and India Course Topper on NPTEL.