





# Dipti Lulla

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## Summary

Software Engineer with 2 years of experience in full-stack development, cloud-native deployments, and test automation. Proficient in React, Next.js and Spring Boot, with a strong record of delivering impactful projects across industry and academia.

## Technical Skills

- **Languages:** JavaScript, TypeScript, Java, C++, C
- **Frontend:** React JS, Next JS, Redux
- **CS Fundamentals:** DSA, OOPs, OS, DBMS
- **DevOps:** Docker, Kubernetes, AWS, GCP
- **Backend:** Node.js, Express, Spring Boot
- **Testing:** Selenium, JUnit
- **Databases:** PostgreSQL, MongoDB
- **Version Control:** Git, GitHub, GitLab
- **Tools:** Figma, VS Code, IntelliJ IDEA, Postman

## Professional Experience

### Software Engineer

Wells Fargo, Bengaluru, India

Aug 2023 – Present

- Leading React UI development for three high-stakes trading and reporting applications, ensuring seamless user experience across platforms.
- Migrated a legacy app to Java Spring Boot with a unified microservice architecture, accelerating development with GitHub Copilot (40% of code auto-generated) and Git workflows. Streamlined deployments via EPLX pipeline to Harness on OCP environments eliminating 80% of manual deployment steps.
- Spearheaded the migration of 50+ class-based React components to functional components with hooks, enhancing code readability and maintainability across high-stakes trading applications.
- Achieved 100% test automation across all Sales apps using Selenium, replacing manual regression testing with automated pipelines, cutting release cycle by 60% and minimizing errors.

### Winter Intern

Wells Fargo, Bengaluru, India

Jan 2023 – Aug 2023

- Engineered backend solutions for Rates and FX trading applications using Java, Spring Boot, and Maven.
- Integrated Solace PubSub+ messaging for real-time trading data pipelines, streaming 100K+ market events/sec with sub-millisecond latency
- Achieved 80% code coverage by writing unit and integration tests with SonarQube, strengthening code quality and reliability.

### Summer Intern

Wells Fargo, Bengaluru, India

May 2022 – Jul 2022

- Analyzed 1M+ rows of trading data and integrated 6+ indicators and 5+ trading strategies (e.g., EMA20–50) with real-time chart/analysis sync across 10+ UI components.
- Deployed 4 microservices with Docker and Kubernetes on AWS infrastructure.

## Summer Intern

May 2021 – Aug 2021

*InTouch (Startup by IITians), Bengaluru, India*

- Launched and maintained 3 web applications: InTouch Social, InTouch Classroom, and InTouch Random Chat.
- Integrated Google OAuth, WebSockets, push notifications, AWS media storage, and REST APIs with frontend.
- Centralized state management with Redux eliminated redundant prop drilling across 10+ components, reducing code duplication by 25% and reducing average render time by 15% by minimizing unnecessary re-renders.

## Education

### B.Tech in Computer Science & Engineering

2019 - 2023

*VIT, Vellore, India* CGPA: 9.05/10

### Senior Secondary Examination

2017 - 2019

*CBSE Board, DPS Navi Mumbai* Percentage: 85%

### Secondary Examination







2015 - 2017

*CBSE Board, DPS Navi Mumbai* CGPA: 10

## Certifications

- **Microsoft Certified: Azure Fundamentals (AZ-900)** – Strong foundational understanding of cloud services and Azure solutions.

## Projects

- **Sleep Tracker App**  diptilulla/sleeptracker  [Live Demo](#)
  - Built **SleepTracker**, a full-stack web app (Next.js, Tailwind, Neon Postgres, Clerk) with SSR/SSG, improving load time by 40–50% and reducing bounce rate by 20%.
  - Developed features including daily diary entries, personalized insights, and sleep dashboards; optimized database queries for sub-second responses and seamless auth for 200+ users.
- **BioDB – Coronavirus Drug Discovery**  diptilulla/bioDB
  - Built a database-driven web app to analyze 200+ COVID-19 compounds from ChEMBL, computing Lipinski descriptors, pIC50 values, and PubChem fingerprints to assess drug-likeness.
  - Automated molecular property processing with Pandas and PaDEL-Descriptor, cutting manual analysis time by 85% (hours to minutes) and enabling faster candidate screening.
  - Designed a PostgreSQL secondary database schema integrating bioactivity, Lipinski, and PubChem datasets, improving compound retrieval speed by 40% and supporting complex structured queries.
- **Hackathon Project – Skill++**  Skill++  Figma  [Live Demo](#)
  - Developed a matchmaking system across 20+ skills with a gamified leaderboard, enabling creation of 5+ active peer-learning groups in a 2-day hackathon.
  - Utilized Gatsby framework for UI, Node.js for backend, and MongoDB for persistence.

## Achievements

- Spearheaded front-end development, vulnerability fixes, and test automation initiatives across 3 core sales applications, earning a Spotlight Award from my current manager for exceptional ownership and contributions to quality assurance.
- Led the IEEE Computer Society Chapter project team in my college, overseeing technical initiatives like VIT Gravitas. Freelanced in 3+ diverse projects, gaining practical experience.