

Dipti Lulla

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Summary

Software Engineer with 2 years of experience in full-stack development and UI/UX design. Proficient in building scalable web applications and enhancing user experiences. Strong background in both industry and academic settings.

Technical Skills

- **Languages:** Java, C++, C, JavaScript, TypeScript
- **Databases:** PostgreSQL, MongoDB
- **Frontend:** React, Redux, Webpack, HTML5, CSS3, Tailwind CSS, Material UI
- **DevOps:** Docker, Kubernetes, AWS, GCP
- **Backend:** Node.js, Express, Spring Boot
- **Testing:** Selenium, JUnit
- **Version Control:** Git, GitHub, GitLab
- **Tools:** VS Code, IntelliJ IDEA, Postman

Professional Experience

Software Engineer

Aug 2023 – Present

Wells Fargo, Bengaluru, India

- Leading React UI development for three high-stakes trading and reporting applications, ensuring seamless user experience across platforms.
- Developed and delivered maker-checker functionality to support controlled updates to trading company data and transactions in the Admin platform.
- Migrated a legacy .NET Framework application to Java Spring Boot, designing a unified microservice architecture to streamline functionality and improve maintainability. Utilized modern tools such as GitHub Copilot for accelerated development and adopted a Git workflow to ensure streamlined, collaborative development.
- Upgraded React component library to the latest version, refactoring all component files by analyzing existing code, converting class-based components to functional components with hooks, updating Redux state management patterns, and reducing overall code complexity to align with modern best practices.
- Pioneered comprehensive test automation across all Sales apps using Selenium, improving release approval efficiency and minimizing errors.

Winter Intern

Jan 2023 – Aug 2023

Wells Fargo, Bengaluru, India

- Developed backend solutions for Rates and FX trading applications using Java, Spring Boot, and Maven.
- Wrote unit and integration tests to ensure code quality and reliability.

Summer Intern

May 2022 – Jul 2022

Wells Fargo, Bengaluru, India

- Analyzed trading data and developed indicators for trading strategies using Node.js and Docker.
- Deployed microservices using Kubernetes on AWS infrastructure.

Summer Intern

May 2021 – Aug 2021

InTouch (Startup by IITians), Bengaluru, India

- Deployed and maintained three web applications: InTouch Social, InTouch Classroom, and InTouch Random Chat.
- Integrated Google OAuth, WebSockets, push notifications, AWS media storage, and REST APIs with frontend.
- Set up Redux for state management and utilized Material UI and Tailwind CSS for UI development.

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)** – Demonstrates a strong foundational understanding of cloud services and Azure solutions.

Projects

BioDB – Coronavirus Drug Discovery

 diptilulla/bioDB

Developed a web application to display drug-likeness of molecules for COVID-19 using data from the ChEMBL database.

Built the frontend with React and used Pandas for data processing and molecular property evaluation.

Hackathon Project – Skill++

 Frontend App  Backend Server

Developed a web application for collaborative upskilling. Designed and built a platform that connects users in skill-based chatrooms to encourage peer-to-peer learning.

- Implemented matchmaking based on users' desired skills to create focused and relevant discussion groups.
- Enabled group-based goal setting with shared deadlines to enhance accountability and motivation.
- Integrated a leaderboard feature to gamify learning and showcase active, goal-oriented contributors.

Utilized Gatsby framework for UI, Node JS for backend and Mongo DB for persistence.


Facial Recognition Web App

Built a web application that uses the Clarifai API to detect images posted by authenticated users. Implemented with React, Node.js, and PostgreSQL.

Food Distribution System

Created a system using C++ and queue data structures to distribute food based on proximity to the restaurant.

Achievements

- Received a Spotlight Award from the manager in recognition of exceptional ownership and driving front-end development and test automation initiatives across all applications.
- Coordinated technical events like Tech Niche, Hackbattle, and Arcs during tenure as IEEE-CS board member.
- Led the project team for the renowned IEEE Computer Society Chapter, overseeing technical initiatives and team coordination. Took on diverse freelancing assignments, building practical experience across client requirements and technology stacks.  [Github repository](#)