

Madhav Patsariya

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SKILLS

- **Programming Languages:** Java/J2EE, Kotlin JVM, JavaScript/TypeScript, HTML/CSS, PostgreSQL, SQL, RDBMS
- **Frameworks & Libraries:** Spring, Microsoft Blazor, Kafka, ReactJS, AntDesign, Bootstrap, Nodejs, MongoDB, JUnit, Mockito
- **Tools & Technologies:** Git/GitHub, Flyway, Maven, Gradle, Docker, Eclipse, IntelliJ, VSCode, Jira, Microsoft Azure

WORK EXPERIENCE

- **Deloitte Consulting LLP** Hyderabad, Telangana, India
Associate Engineer Sep 2022 - Present
 - Collaborated on the development of an in-house tool that empowered clients to identify modernization opportunities, **accelerating decision-making by 30%** within six months.
 - Achieved a **25% reduction in time and memory consumption** for the Repository Module through streaming APIs and legacy code refactoring.
 - Engineered a microservice architecture to interact with over **800 cloud APIs**, streamlining migration cost computation and providing real-time insights for cloud budgeting.
 - Designed intuitive **UI dashboards** for scenario modeling, migration wave planning, and automated tracking, enhancing user experience by integrating **third-party SSO**.
 - Designed and created an **ETL service** for migrating discovery data from various cloud sources, saving **12 person-hours** weekly while ensuring scalability with Kafka and Redis.
 - Collaborated with cross-functional teams, including UX/UI designers and DevOps engineers, utilizing **Agile methodologies** to deliver high-quality features aligned with business objectives.

EDUCATION

- **Vellore Institute of Technology** (Vellore, Tamil Nadu, India) 2018 - 2022
Bachelor of Technology (B.Tech) - Electronics and Communication (ECE) CGPA : 9.16/10
Relevant Coursework: Computer Communication (Computer Networks), OOPS, Data Structures in Java

PERSONAL PROJECTS

- **StockTrack: Real-Time Stock Analysis App** June, 2022
 - Constructed a WebApp using React that interacts with the Finnhub Stock API to fetch and display real-time 1000+ stock information.
 - Built 7+ robust Nodejs APIs each tailored to specific functionalities.
 - Integrated MongoDB database and Hosted the app on Google Cloud Platform for enhanced data storage and accessibility.
 - Employed HighCharts and Polygon.io for visualization in tabular and chart format.
- **iNotebook: A Personalised Dashboard for Taking Notes** Feb, 2022
 - Developed an app featuring secure login and personalized dashboards for user-specific notes management.
 - Integrated a rich text editor for creating, editing, and formatting notes, with functionality for users to delete their notes.
 - Utilized NoSQL MongoDB for data storage, Express.js for server-side logic, and Node.js for backend integration.
 - Built a dynamic, responsive front-end with React.js, ensuring a seamless and efficient user experience.
- **NLP-based Chatbot for Healthcare Industry** Dec, 2021
 - Implemented an AI-powered Chatbot for Health-care providing solutions to 100+ health-specific issues through natural conversation
 - Enhanced the engine by leveraging the power of Large Language Models and fine-tuning them using various NLP techniques
 - Constructed a web interface using Flask and connected it to the Telegram bot hosted by NGROK.
- **Student Management System** May, 2021
 - Integrated a full stack multi-page CRUD application for automating a 500-record custom student database.
 - Utilized Springboot and Spring MVC framework for backend support by creating 6 REST APIs.
 - Tested and Fixed application bugs with unit testing in Jest and JUnit.

ACHIEVEMENTS AND AWARDS

- Received three Applause Award & an Outstanding Award for development in TruNorth in 2 years
- Top 10 % of Co-hort, Electronics and Communication Department, VIT

CERTIFICATIONS

- Azure Fundamentals (AZ-900), Microsoft
- SQL (Basic) Certificate, Hackerrank
- Neural Networks and Deep Learning, Coursera