

# DEEPAK VISWANADHA

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## SUMMARY

A skilled full-stack web developer with over 3 years of expertise in crafting, building, and managing market-ready Fintech apps utilizing various front-end and back-end technologies.

## SKILLS

<b>Front-end technologies:</b>	React.js, Next.js, JavaScript, TypeScript, Webpack, Babel, Material-UI, Micro frontends
<b>Back-end technologies:</b>	Java, Spring boot, Node.js, Express.js, Micro services
<b>Databases:</b>	MySQL, MongoDB
<b>Interests:</b>	Virtualization, Component and Script level lazy-loading/compression, Server-side rendering

## EDUCATION

**Master of Science in Information Systems** - Northeastern University, Boston, MA. **Grade (3.87/4)** **Expected May 2025**  
**Coursework:** Full Stack Web design and development, User Experience Design, Cloud Computing

**Bachelor of Technology** - Gayatri Vidya Parishad College of Engineering, India. **Grade (3.5/4)** **Sept 2020**  
**Coursework:** Data structures in C, Computer Organization, Operating Systems.

## EXPERIENCE

**Software Development Engineer -II | Mr. Cooper, India.** **Mar 2023 - Jul 2023**

- Built a new suite of applications called Small Apps where each app is built for specific use cases like reconciliation etc.
- Crafted apps to oversee **500K-1M** document-data queues, decreasing load time from **35s to 7s** and bundle size from **>2Mb to <300Kb**
- Created an internal library of feature-specific components that can be used for all the internal web applications
- Added multi-tenancy to the suite to onboard external clients
- Received recognition as the '**Star Performer**' for my outstanding contributions throughout the 2021-22 period

**Tech-stack:** React.js, JavaScript, Webpack, Spring-Boot, Java, React-virtualization, React-DND, Microsoft Azure, G.C.S and Konva.js

**Software Engineer-I | Mr. Cooper, India.** **Jun 2021 – Mar 2023**

- Designed & developed a suite that integrates multiple single-page applications using micro front-end architecture
- Engineered apps to sort/classify pages in mortgage documents. They are used for H.I.T.L or training M.L models with data feedback
- Crafted apps to extract data and re-annotate mortgage documents, serving as feedback for M.L model training and data delivery
- Implemented virtualization techniques to optimize the apps, achieving loading times of under **6 seconds (<600-900% time improvement)**, and reducing response delays from **5/6 seconds to milliseconds**
- Introduced advanced features such as single/multi drag & drop, carousel implementation, search functionality, sorting capabilities, filtering options, and canvas shape drawing

**Programmer Analyst | Cognizant Technology Solutions, India.** **Dec 2020 – Jun 2021**

- Developed behavioral-driven scenarios (B.D.D), automated the corresponding cases using Java and JavaScript and generated reports
- Wrote automation scenarios (T.D.D) and developed a framework for the client's banking platform
- Participated in client discussions to understand the future scope of the project and helped the team in streamlining the automation scripts

**Tech-stack:** Java, JavaScript, Selenium, Cucumber, B.D.D & T.D.D

**Intern | Cognizant Technology Solutions, India.** **Jan 2020 - May 2020**

- Trained in Java, JavaScript & MySQL and developed solutions for internal use cases
- Collaborated with several teams to understand the Agile methodologies and the SDLC life cycle
- Participated in several hackathons that focused on various case studies

## PROJECTS

**EcoWell | Wellness Application** **Nov 2023 - Dec 2023**

- Engineered a Full Stack Web Application where a user can sign up using their Google Account, create a health profile and can get personalized health-based product and recipe recommendations from the bar code scanner. The app has live metrics and analytics to keep track of the overall users and their health statistics. The entire application is created as a **PWA** using network first strategy
- Users can engage with each other using the community forum and can get useful health insights and help build healthier communities

**Tech-stack:** React.js, TypeScript, Material-UI, **OAuth**, Node.js, MongoDB,

**Agro Synergy| Agriculture Ecosystem Application** **Nov 2023 - Dec 2023**

- Crafted a JavaFX based Desktop Application that seamlessly connects several enterprises and organizations involved in an agriculture consumer facing system.
- The app simplifies the interaction between these bodies by centralizing features and data direction and transfer using MongoDB. The app also features Graph/Pie Chart-based analytics to ease the breakdown and the workflow.