

Rohith Raj Venkatesh

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Summary

Full Stack Developer with **3+ years** in **React.js, C#, .NET, Django, Flask, and Node.js**. Delivered a web platform that **boosted sales by 30%** and automated testing to cut **85+ hours** of manual work per month. Led a project at Smokies BBQ that **doubled revenue** by building a **website** and **QR menu system**. Adept at solving complex problems, **integrating APIs**, and driving measurable business impact in fast-paced environments.

Technical Skills

- **Programming Languages:** Java, Python, C++, C#, JavaScript, XML, JSON.
- **Databases:** SQL, MySQL, Firebase, Oracle SQL, Postgres, MongoDB, SQLite.
- **Test Frameworks:** Selenium, Appium, Robot Framework, JUnit, TestNG, Postman, Rest Assured.
- **Developer Tools:** Figma, PyCharm, VS Code, Adobe, Microsoft Office Suite, Git.
- **Frontend Technologies:** HTML5, CSS3, Tailwind, Material UI, Bootstrap, Vite, Vue.js, React.js.
- **Backend Technologies:** Django, Spring Boot, .NET, Node.js, Express.js.
- **Agile Methodologies:** Scrum, Kanban, JIRA, Trello.

Personal Experience

Social Media & Web Solutions Manager | Smokies BBQ | Windsor, Ontario

Sept 2023 - Present

Tech: HTML, CSS, JavaScript, Figma, Python

- **Drove 100% revenue growth** within one year through targeted Instagram promotions, increasing daily sales from **\$1,000–\$1,500** to **\$3,500** contributing to a **\$65,000 sales month**, resulting in an increase in foot traffic and doubling online orders.
- Launched a website using **HTML, CSS, and JavaScript**, leading to **30% more online orders** within 3 months, and introduced **QR code menus** using **Python** that eliminated printing costs and reduced **ordering time by 20%**, improving operational efficiency.

Professional Experience

Full Stack Developer Intern | Semper8 | Toronto, Ontario

Sept 2024 - Dec 2024

Tech: React.js, Flask, MongoDB, DialogPT, Material UI, Postman, Selenium, Dialogflow

- Deployed an AI-driven **chatbot** for an HR interview platform, enabling candidates to troubleshoot network, video, and mic issues while optimizing response flow with **Dialogflow** and integrating **DialogPT** to handle unexpected candidate queries.
- Implemented **automated testing** using **Selenium** and **Postman**, reducing manual testing by **85 hours/month.**, automating troubleshooting and handling **80% of candidate queries** without human intervention while working with an **Agile-driven, 4-member team** to refine integration.

Full Stack Developer Intern | AVNL, Ministry of Defense | Chennai, India

June 2022 - May 2023

Tech: HTML5, CSS3, JavaScript, Bootstrap, SQL, C#, MariaDB

- Designed an advanced web-based internal telephone directory using **JavaScript, REST API, and Bootstrap**, eliminating paper-based directories, reducing **maintenance costs by 35%** and boosting user experience with a scalable and responsive design.
- Built a distributed database for admins and employees with **C# and SQL**, enhancing data management by normalizing tables and organising contact information in **MariaDB** by department, resulting in **30% reduction** in search time for **7,000 employees**.

Front-end Developer Intern | Exposys Data Labs Corporation | Chennai, India

June 2021 - July 2021

Tech: JavaScript, Bootstrap, Vue.js, Material UI, Figma

- Developed an interactive website for a **grocery store** using **Vue.js** and **Material UI**, **increasing sales by 80%** during the pandemic by utilizing **Figma** for precise UI design, aligning closely with client needs to streamline development.
- Applied **Agile methodology** and managed tasks using **Trello**, ensuring a **100% task completion rate** across multiple sprints, collaborating with cross-functional teams to identify and resolve issues by enhancing the user experience for **5000 customers**.

Projects

V-Tutor: Revolutionizing Educational Equity (AI) | [VT-GitHub](#)

Tech: React.js, Firebase, REST API, Google TTS, Python language

- Devised an **AI-based virtual avatar** for student interview preparation using **LLM models** via **RESTful APIs** to generate questions, enhancing practice sessions with AI-driven insights, won **"Best Project"** award at the University of Windsor's Demo Day.
- Automated question generation from **text to speech** using **Google TTS**, and backend testing using **Postman** and **Selenium**, ensuring stable performance and real-time synchronization for a scalable platform with **500+ users**. and personalized feedback.

Smart Shop: Grocery Deal Analysis | [GDA-GitHub](#)

Tech: Java, Selenium, Spring Boot, MongoDB, Maven

- Developed a high-performance application for analyzing grocery store deals using **React.js**, **Java (Spring Boot)**, and **MongoDB**, capable of processing large datasets and efficiently handling **500+ concurrent users**, ensuring seamless performance.
- Implemented **automated tests** using **Selenium** and **Maven**, reducing **manual testing by 30%**, and identifying critical bugs before release, while also integrating real-time data synchronization and providing price alerts for boosting customer engagement.

Eco-Finds: E-commerce Platform for Sustainable Living | [EcoFinds-GitHub](#)

Tech: Python, Django, SQLite, JavaScript, HTML, CSS, Django Templates

- Developed a full-stack grocery e-commerce platform using **Django** and **SQLite**, designing efficient **models** for Product, Order, and Checkout, while implementing **real-time search** and filtering with **JavaScript** to enhance product discovery and load times.
- Implemented a **reward system** using **Django models**, **signals**, and **ORM** to track user purchases and assign eco-points, while also automating **invoice generation** and emailing invoices to users using **Django's email functionality** and **HTML templates**.

CentraFinance: Full-Stack Banking Web Application | [CF-GitHub](#)

Tech: Next.js, React.js, Plaid API, Dwolla API, Appwrite, Sentry, Bootstrap

- Built a scalable, secure banking application with **Next.js**, integrating **Plaid** and **Dwolla APIs** for real-time **account linking** and **transaction processing**, coupled with **Appwrite** for robust **user authentication** and **Sentry** for real-time error tracking.
- Developed a high-performance, mobile-first dashboard using **React.js** and **Bootstrap**, ensuring seamless transaction updates across devices, and enhancing the user experience through server-side rendering and efficient state management.

Certifications

Winner of the University of Windsor 10th CS Demo Day - [View Certification on LinkedIn](#)

NIIT Certified Java programmer - [View Certification on LinkedIn](#)

NIIT Certified C++ Programmer - [View Certification on LinkedIn](#)

AWS Certified Cloud Practitioner

Paper Presentation

Home Automation Using Augmented-Reality | Sathyabama University | Chennai, IN

- Created an **AR home system** using **Unity**, **Vuforia**, and **Node MCU** with minimal **C#** for hardware programming, facilitating intuitive **HTTP control** and gesture recognition for **3D-rendered** appliance management on a local network.

Education

Master of Applied Computing | University of Windsor | Windsor, ON | 81% CGPA

Sep 2023 – Dec 2024

Coursework: Internet Application, Advanced Database Topics, Advanced System Programming, Networking and Data Security.

Bachelor of Computer Engineering | Sathyabama University | Chennai, IN | 87% CGPA

Jun 2019 - May 2023

Coursework: Python, Algorithm Design and Data Structures, Java, C++, Electronics Systems, Software Engineering, DBMS.