

# Vishwanath A

## Full-Stack Developer

[+91 6385213119](tel:+916385213119)

[vishwanatharuchunan@gmail.com](mailto:vishwanatharuchunan@gmail.com)

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

### PROFESSIONAL SUMMARY

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Full-Stack Developer with 2+ years of experience building secure, scalable, and cloud-ready web applications. Proven expertise in designing AI-powered solutions, IoT dashboards, and enterprise-grade systems for manufacturing, retail, and analytics domains. Skilled in bridging frontend and backend systems, implementing DevOps pipelines, and deploying applications on Azure and GCP. Adept at delivering business-focused, user-friendly, and performance-optimized solutions in Agile environments.

### AREAS OF EXPERTISE

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**Frontend:** React.js, TypeScript, JavaScript, Redux, Flutter

**Backend:** Node.js, Express.js, Python (Flask)

**API Development:** RESTful APIs, JWT, Swagger

**Database & Storage:** MongoDB, MySQL, Google BigQuery, Azure Cosmos DB, AWS S3, Firebase

**Cloud & DevOps:** Azure, GCP, Git, Docker, GitHub Actions, Ansible, Terraform, Nginx

**Testing & Automation:** Playwright, SonarQube

### PROFESSIONAL EXPERIENCE

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**Full-Stack Developer | GWC DATA.AI** – Bengaluru

*June 2023 – Present*

- Played a key role in delivering secure, scalable applications through full-cycle development and DevOps ownership.
- Contributed to high-impact features, CI/CD workflows, and cross-functional Agile collaboration.

**Full-Stack Developer Intern | Mobile Tutor** – Bengaluru

*Jan 2023 – May 2023*

- Developed an internal automation tool deployed on AWS, improving internal workflow efficiency.
- Built and delivered a full-stack financial planning application tailored to business use cases.

### PROJECTS

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**Mahindra & Mahindra – Data Visualization & Reports**

**Tech Used:** React.js, Node.js, DOMO, DOMO API, PDP Policy

- Developed **custom DOMO apps** using **React.js** to deliver **interactive visualizations** and dynamic business dashboards.
- Built a **secure Node.js backend** with user authentication and real-time data integration via **DOMO API**.
- Implemented **PDP policies** to enforce **data visibility** based on user roles and department access

## Alubee – IoT Dashboard

**Tech Used:** Node.js, React.js, REST API, Google BigQuery, GCP (Cloud Run), Docker, JWT

- Developed a scalable **IoT dashboard** for real-time device data monitoring and analytics using **React.js** and **Node.js**.
- Engineered **RESTful APIs** in Node.js to fetch and process IoT data from **Google BigQuery**, enabling real-time insights and **role-based access control** with secure authentication.
- Integrated dynamic **data visualization** components for intuitive analysis of device metrics and trends.
- **Containerized** the application using **Docker** and deployed it on **Google Cloud Run (GCP)** for high availability and scalability.

## Marrybrown – Roster & Sales Plan Application

**Tech Used:** React.js, Node.js, REST API, Redux, Playwright, Docker, Azure

- Built **Roster Management** and **Sales Plan** applications using **React.js** and APIs built with Node.js..
- Designed data-driven scheduling interfaces to track **staff availability**, **shift coverage**, and **sales performance** in real-time.
- Integrated “**Magic Rostering**”, an **AI-powered module** to automatically generate weekly employee schedules.
- Implemented **employee** and **leave management** functionalities to streamline **resource allocation** and **shift adjustments**.
- Structured the system around **organizational hierarchy** with **role-based views** and **permissions** for different access levels.
- **Containerized** the application using **Docker** and deployed it to **Azure** for scalable, cloud-based access and **CI/CD integration**.

## InfoBeam AI – Conversational File Assistant

**Tech Stack:** React.js, Node.js, REST API, Redux, AI, Docker, Azure

- Built an **AI-powered chatbot** interface for interactive file-based conversations using React.js and Node.js.
- Implemented **secure file upload**, cloud storage, and **management features** via REST APIs, supporting **multiple formats** and access control.
- Secured **APIs** with **JWT-based** authentication to ensure protected access and data integrity.

## EDUCATION

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### Master of Computer Applications (MCA)

Bharathiar University, Coimbatore - 2023

### Bachelor of Computer Applications (BCA)

National College, Tiruchirappalli - 2021