

VISHAL R K

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EDUCATION

B Tech Information Technology, Chennai Institute of Technology
CGPA: 8.92

2021 – 2025 | Chennai, India

INTERNSHIPS

Oasis Infobyte

July 2023 – August 2023 | Chennai, India

- Designed and deployed **scalable web applications** resulting in a **40% reduction in page load time** and improved user experience.
- Utilized a **tech stack featuring React.js for interactive front-end development, CSS for refined styling, and Node.js for building a resilient and efficient server-side** architecture resulting in a 30% improvement in user engagement.

Bytzet Technologies

May 2023 – July 2023 | Erode, India

- Developed a **cutting-edge Financial Software to analyze company's financial data**, resulting in key insights driving strategic decision-making and **increased profitability by 20%**.
- Engineered a state-of-the-art Financial Software using **.NET, C#, Tally ERP 9** for efficient financial data management, achieving a **25% increase in data processing efficiency**. Enhanced by **Power BI** for advanced analytics and reporting capabilities.

PROJECTS

AI Photo Generator, Vite.js, Express.js, MongoDB, OpenAI

August 2023 – September 2023

- Understanding of textual prompts to **transform abstract concepts into imaginative images** with an **accuracy of 60%**.
- Leveraging cutting-edge technology, we empower virtual environments to **generate an extensive array of landscapes, characters, and objects**—achieving over a **30% increase in overall immersion** through vibrant visual elements

Basic Banking System, ASP.NET, C#, MSSQL

June 2023 – July 2023

- Created a **Sample Banking Application** where Customers can **transfer their money** to other respective customers with an **accuracy of 90%**.
- Implemented a customer portal, granting access to comprehensive transaction history; **empowered customers with transparency and a chronological view of their financial journey**, resulting in increased customer satisfaction and retention rates by 25%.

Single Spindle Monitoring System (S2MS),

November 2022 – January 2023

.NET, VB.NET, MSSQL, MQTT Broker, Crystal Reports, ComponentOne

- Continuous Real-time monitoring** of spindle speed, feed rate, and other relevant parameters **with an accuracy of 75%**.
- Analyzed and implemented a **robust vibration detection system** for spindles, resulting in a **50% reduction in tool and equipment damage**, and a significant improvement in machining quality.

CERTIFICATES

- AWS - Custom VPC ☑
- Selenium Using Java ☑
- React.js - Web Development ☑
- Cisco - Cybersecurity ☑
- UiPath RPA Citizen Developer ☑
- IIRS - ISRO (START) ☑

ACHIEVEMENTS

- Masterfully tackled over 800 algorithmic and coding challenges on LeetCode.
- Secured a spot as a semi-finalist in the Techgig Code Gladiators 2023 competition.
- Attained a global ranking of 400 on the SkillRack Coding Platform.

TECHNICAL SKILLS

Front-End

React, .NET, HTML, CSS,
Vite.js & .NET MAUI (Xamarin)

Developer Tools

VS Code, Visual Studio,
Docker, UiPath Studio &
GitHub

Back-End

Node.js, Express.js & .NET
Core

ERP Application

Tally ERP Prime & Tally ERP 9

DataBase

MSSQL, MySQL & MongoDB

Reporting Tools

Power BI, ComponentOne,
DevExpress (.NET MAUI),
Crystal Reports & iTextSharp

Programming Languages

Java, Python, VB.NET, C#, C &
C++

DevOps

AWS & Azure