

# Vishnu Vardhan Vankayalapati

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## 🎓 EDUCATION

**Masters in Computer Science**, *University of North Carolina at Greensboro*

Jan 2022 – present

- **Related Coursework:** Software Engineering, Design & Analysis of Algorithms, Database Systems, Big Data & Machine Learning, Deep Learning, Data Science.

**Bachelors in Computer Science**, *Khammam Institute of Technology & Sciences*

Aug 2017 – Sep 2021

- **Related Coursework:** Python Programming, Software System Design, Cloud Computing, Data Mining.

## 🔧 SKILLS

**Languages:** Java, Python.

**Frameworks:** JavaScript, ReactJS, HTML5, CSS3, Tailwind CSS, Bootstrap, Git, Model-View-Controller(MVC).

**Tools:** GitHub, Visual Studio Code, Power BI, Tableau, LaTeX Studio.

**Databases:** MS SQL, MySQL, Postgres.

**Other Skills & Concepts:** Data Structures & Algorithms, Debugging and Troubleshooting, Object-Oriented Programming (OOP) Concepts, Software Development Life Cycle (SDLC), Operating System, Data Science & Visualization, Machine Learning and Deep Learning.

## 📜 CERTIFICATIONS

- Data Analysis
- Data Visualization
- Sports Analytics
- ReactJS

## 👛 EXPERIENCE

**Software Development Intern**, *Giggi*

Jul 2023 – Dec 2023

- Developed a Python-based web scraping tool to automate gig creation with Giggi templates, boosting efficiency by 30% and saving 25 hours of manual work weekly.
- Engineered a ReactJS-driven front-end for a data analysis tool, resulting in a 40% increase in user engagement and halving the user learning curve.
- Designed a responsive pricing guide interface using ReactJS, enhancing data visualization which led to a 20% improvement in pricing strategy development.
- Collaborated in a cross-functional team to deliver a scalable front-end architecture, improving application performance by 10% and responsiveness by 35%.

## 🧩 PERSONAL PROJECTS

**Personal Portfolio Website:**

- Crafted and executed a visually engaging personal portfolio website showcasing my skills, projects, and background. This enhanced brand visibility led to a 30% rise in networking opportunities and speaking engagements.
- Implemented responsive design, using in HTML, CSS, and JavaScript for an engaging user experience.

**Weather Location Web Application:**

- Created a user-friendly application that automatically fetches and presents real-time weather data based on user location
- Integrated Geolocation API, achieving 90% accuracy in location detection, coupled with the Weather API to provide immediate weather condition insights

**Revenue Optimization Project for Hospitality Domain using Power BI:**

- Created a comprehensive revenue insights dashboard using Power BI.
- Collected data from various sources, including Hotel bookings, Ratings, Room Category, Room ID, Room Location, Hotel name, booking platform, Booking Status, Revenue generation
- The dashboard allowed to identify revenue trends, analyse booking patterns, and make informed decisions to increase revenue

**Employed RNN for Time Series Forecasting:**

- Achieved an RMSE accuracy of 3.4 using TensorFlow for predicting stock close prices
- Conducted an analysis, an average RMSE deviation of 3.4, employing Data Visualization techniques
- Captured insightful trends, revealing a 30% deviation during the 2007-2009 recession and a 25% deviation in the ongoing Covid-19 period