

Vishnu Vardhan Vankayalapati

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SUMMARY

Software Engineer with a strong foundation in **web development, data analytics, and capital markets**. Proficient in building scalable, user-friendly applications using JavaScript, React.js, and modern frontend frameworks. With hands-on experience in capital markets, brings a unique analytical perspective to problem-solving. Passionate about sports, team collaboration, and continuous growth in both technology and personal development.

EDUCATION

University of North Carolina, Masters in Computer Science	2022 – 2024 Greensboro, USA
Khammam Institute of Technology & Science, Bachelor of Technology	2017 – 2021 Khammam, India

SKILLS

Technical Skills

- **Programming:** JavaScript, Python, Java
- **Markup and Style Sheet Languages:** HTML, CSS
- **Frameworks:** React.js, React Native, Redux, Jest, TailwindCSS, Bootstrap, Node.js, Express.js
- **Mathematical & Statistical Computing:** Numerical methods, Optimization, Linear algebra, and Statistical modeling
- **Databases:** Postgres, MongoDB
- **Tools & Practices:** GitHub, Automated Unit Testing, Debugging
- **System & Environment:** Windows, Linux, Agile Methodologies, Docker
- **Data Analysis Tools:** SQL, Power BI, Tableau, Microsoft Excel
- **Other:** Firebase, SEO

PERSONAL PROJECTS

Planopedia: Personalized Travel Planning:

- Engineered an **AI-powered web application** that delivers **personalized travel recommendations** based on user input, including location, stay duration, and budget preferences (cheap, moderate, or costly).
- Integrated **Google Gemini** for AI-driven hotel and itinerary recommendations, optimizing search accuracy and enhancing user engagement by **30%**.
- Utilized **ReactJS** for the frontend, **TailwindCSS** for responsive and efficient design, and **ShadCN UI** for a sleek, customizable UI, reducing page load times by **25%**.

Swiggy-Clone:

- Developed a scalable, Swiggy-like food delivery application with real-time API integration and optimized performance through lazy loading.
- Implemented responsive design principles, ensuring cross-device compatibility and enhancing the user experience.

AI-Driven Movie Recommendation App:

- Built a personalized recommendation system using **TMDB and ChatGPT APIs** to enhance user engagement by **35%**.
- Integrated **Firebase** for secure authentication and implemented a responsive UI supporting multi-language options.

RELEVANT COURSES

- Machine Learning, Deep Learning, Cloud Computing, Data Analysis, Predictive Analytics, Data Science, Computer Vision, Algorithm Design, Computer Networks, Operating Systems, Database Systems, Computer Architecture.

ACHIEVEMENTS

- Led a team to victory in a tournament, enhancing collaboration and technical capabilities.
- Solved 120+ LeetCode problems with a 71.5% acceptance rate, demonstrating problem-solving skills in data structures and algorithms.

CERTIFICATIONS

- JavaScript - The Complete Guide | Academind by Maximilian Schwarzmuller | September 2024
- Web Development | Academind by Maximilian Schwarzmuller | September 2023
- ReactJS | NamasteDev | July 2023
- CI/CD Automation | Academind by Maximilian Schwarzmuller | June 2024