

Harsh Manoj More

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SUMMARY

Passionate and results-driven Software Engineer with hands-on experience in developing end-to-end web applications, building scalable backend systems, and working with machine learning and NLP models. Skilled in SQL, Python, JavaScript and Tableau for building dashboards, automating reports, and analyzing data. Proven ability to quickly learn new technologies, collaborate in cross-functional teams, and deliver impactful solutions.

EDUCATION

North Carolina State University, Raleigh

Aug 2024 - May 2026

Master of Computer Science, GPA 4.0/4.0

Vishwakarma Institute of Technology, Pune

Aug 2019 - May 2023

Bachelor of Technology in Information Technology, GPA 9.73/10.0

Relevant Coursework: C++, Python, Database Management Systems, Data Structures, Object Oriented Programming, Human Computer Interaction, Design and Analysis of Algorithms, Graph Theory, Modern Application Development

EXPERIENCE

Data Scientist | Barclays | Pune, India

Jul 2023 - Jul 2024

- Identified and flagged under-utilized servers based on CPU and memory usage data, optimizing resource allocation and saving ~£22M in **CapEx** and ~£790K in **OpEx** annually.
- Automated anomaly detection in event data, cutting resolution time by **40%** for major incidents.

Software Engineering Intern | TomTom | Pune, India

Jan 2023 - Jun 2023

- Enhanced user interface dashboard using **React.js**, reducing geographic data upload time by **25%** and improving end-user efficiency.
- Optimized the maps **database schema** and **SQL** queries, reducing geographic data extraction time by **10x**.
- Researched and evaluated integration of **Apache Kafka** and **Grafana** for better geographic data processing.

Data Science Intern | Barclays | Pune, India

Jun 2022 - Aug 2022

- Led a **team of 5** to **automate** and prototyped machine learning pipeline to identify and categorize **170+** incident themes, publishing insights on a **Tableau dashboard** to enhance decision-making and response time.

Freelance Full stack Developer | Align Dental Studio Website (<http://www.aligndentalstudio.com/>)

Oct 2021 – Nov 2021

- Developed and deployed a fully **responsive** website using **HTML**, **CSS**, and **JavaScript** for frontend, improving client's online presence and accessibility to ~30+ patients monthly.
- Designed backend architecture to manage appointment scheduling, and content updates using **PHP**, and **MySQL**.
- Handled end-to-end **deployment** and hosting of the website on a live server, also **collaborated** directly with the client to **gather requirements**, suggest 5+ suggest features, and deliver updates.

PROJECTS

VR First Person Shooting Game using Unity ([GitHub Link](#))

- Designed game environment and created AI-driven enemy agents with optimized pathfinding using **A*** algorithm in a Virtual Reality FPS game built with **Unity** and **Oculus Quest 2**.

Language Translator Application ([GitHub Link](#))

- Integrated 3 Firebase **APIs** for **speech-to-text**, translation, and **text-to-speech** with a custom self-made Python server using **socket programming** for real-time language detection and translation.

SKILLS

- Programming: C, C++, Python, HTML, CSS, JavaScript, PHP, Ruby, React.js, Node.js, SQL, C#
- Tools: MongoDB, MySQL, PostgreSQL, Microsoft SSMS, Tableau, Git, AWS, Rails, Flask, Swagger, RestAPI, Redis
- Technologies: Frontend, Backend, UI/UX, Linux, Virtual Reality, Data Engineering, Data Analysis, AI
- Soft Skills: Leadership, Communication, Stakeholder management, Agile, Presentation, Collaboration, Teamwork

ACHIEVEMENTS

- Achieved **1st rank** in **CODE INNOVATION SERIES HACKATHON** powered by **GitHub** ([GitHub Link](#))