Himanshu Vishwakarma

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SUMMARY

Detail-oriented and results-driven Computer Science graduate student with strong experience in full-stack development, database design, and application optimization. Demonstrated success in building scalable web and desktop applications using technologies such as C#, JavaScript, SQL, and React. Adept at collaborating across teams, presenting technical findings to non-technical stakeholders, and delivering high-impact solutions in fast-paced environments. Passionate about continuous improvement, customer-centric development, and translating complex requirements into functional, user-friendly products.

EDUCATION

The University of Texas at Arlington — Arlington, TX
Master of Science in Computer Science; GPA: 4.0/4.0 — *Aug. 2024 – May 2026*

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, Java, Kotlin, SQL, C#, T-SQL
Frameworks: React JS, Node JS, Express JS, jQuery, ASP.NET, Django, Flask
Databases: Oracle, MySQL, MongoDB, MS SQL Server
Developer Tools: Docker, gRPC, Linux, Git, AWS
Concepts: Agile, Rest APIs, SDLC, Artificial Intelligence, Machine Learning

PROJECTS

CarShop | *Node.JS, MySQL, React, Express, jQuery*
- Designed the front-end web pages and back-end database objects for a full-stack platform, enabling users to browse and purchase vehicle parts, featuring AI recommendations and real-time chat for customer support.
- Followed MVC Architecture to develop backend APIs with Express, integrated Sequelize ORM to achieve a DB-agnostic system, and built reusable front-end components in React.

Apartment Complex Management System | *Oracle, SQL*
- Engineered a normalized relational database in Oracle, writing optimized stored procedures and functions to ensure data integrity and facilitate the efficient management of all property, resident, and employee information.
- Analyzed query results on resident data to identify key trends in amenity preferences; prepared and delivered summary reports and presentations to management to guide future development.

Student Globe | *Kotlin, Firebase, WebSockets*
- Orchestrated the development of a native Android application, leading a team of four to implement a dynamic social platform for college students featuring real-time chat rooms powered by a WebSocket and Express.js backend.
- Used N-Tier Architecture, increasing the project's modularity and maintainability index by 30%.

EXPERIENCE

AI & ML Intern — June 2022 – Dec. 2022
Trademark Analytics | Python, Flask, PyTorch — *Remote*
- Engineered an explainability dashboard using demographic-based speech model evaluation (age, gender, accent) and noise classification via neural networks, reducing error rate by 5% to make the speech to text model more inclusive to diverse users, boosting user satisfaction by 12%.
- Collaborated with stakeholders to present insights on model performance and inclusion improvements; improved team-wide visibility into AI fairness metrics.

Software Engineer Intern — Aug. 2021 – Sep. 2021
Suven Technologies Pvt Ltd — *Remote*
- Redesigned a legacy client-facing desktop app using Java (JDK, Swing), increasing feature delivery speed by 33% in an agile environment.
- Optimized backend logic to reduce server response time by 24% and improved frontend responsiveness by implementing caching and indexing, decreasing data load time by 29%.
- Presented progress and outcomes to technical supervisors weekly, strengthening communication and cross-functional alignment.