

# HARSHAVARDHAN BODDETI

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## Summary

I am a passionate and driven software developer currently pursuing a Master's in Information Systems and Technology at the University of North Texas. With a background in **.NET development** and hands-on experience working with **cloud platforms** (AWS, Azure), I've worked on projects that involve streamlining healthcare systems, optimizing billing processes, and improving user experiences. I'm skilled in programming languages like **Python**, **JavaScript**, and **SQL**, as well as web development frameworks such as **Angular** and **ReactJS**. My experience extends to **DevSecOps** practices including **CI/CD pipelines**, **infrastructure as code**, **container security**, and **automated compliance testing**. I have also gained experience in market research, content creation, and collaboration with cross-functional teams. I'm eager to apply my skills in **cloud computing** and **DevSecOps** to solve complex problems and continue learning along the way.

## Education

### University of North Texas

*Master of Science in Information Systems and Technology*

**Aug. 2023 – Present**

*Denton, TX*

### Raghu Engineering College

*Bachelor of Technology in Computer Science and Engineering*

**Aug. 2017 – May 2021**

*Visakhapatnam, India*

## Relevant Coursework

- |                        |                     |                    |                             |
|------------------------|---------------------|--------------------|-----------------------------|
| • Software Engineering | • Web Development   | • Machine Learning | • Big Data and Data Science |
| • Database Systems     | • Operating Systems | • Cloud Computing  |                             |

## Experience

### TATA Consultancy Services

*Assistant Engineer - .NET Developer*

**Jan 2022 – Jul 2023**

*Bangalore, India*

- Worked on the DaVita Nautilus Project, focusing on the integration and optimization of healthcare solutions for patients with chronic diseases.
- Played a key role in streamlining the Revenue Operations (ROPS) processes by automating manual data entry, improving efficiency, and reducing errors.
- Developed and implemented a seamless interface between CWOW (Centre Without Walls) and Nautilus, facilitating the smooth exchange of patient data across different systems.
- Contributed to the optimization of the billing and claims management system, enabling faster processing of claims and more accurate billing for healthcare providers.
- Led the integration of clinical interfaces within Nautilus, retiring legacy systems such as Snappy, Chairside Snappy, and Falcon Dialysis, resulting in improved operational efficiency and reduced overhead costs.
- Assisted in the deployment and maintenance of the Nautilus application, which is responsible for creating and submitting claims to payers and tracking patient billing transactions.

### Cognizant Technology Consulting

*Software Developer (Internship)*

**Apr 2021 – Aug 2021**

*Bangalore, India*

- Conducted comprehensive market research to identify emerging trends, consumer preferences, and competitive landscapes, providing actionable insights for the company's product development and positioning strategies.
- Collaborated with cross-functional teams, including marketing, product, and design, to align market research findings with strategic business goals, contributing to the development of a data-driven product roadmap.
- Led the design and creation of engaging content for various digital platforms, including websites, blogs, and social media channels, helping to strengthen the brand's presence and drive user engagement.
- Worked closely with internal teams and external agencies to ensure brand consistency across all communication materials, ensuring that the company's voice, tone, and visual identity remained aligned with the overall brand strategy.
- Assisted in the development of customer-facing content that communicated product features and benefits in a way that resonated with target audiences, resulting in increased consumer interest and product inquiries.
- Gained valuable exposure to agile development practices, collaborating with senior developers on building solutions for clients and implementing features in a timely manner.

## Projects

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### DaVita Nautilus Project | *.NET, Oracle*

- The Nautilus application is designed to create and submit claims to payers and track patient billing transactions. The project aims to improve the accuracy and efficiency of the claims management process for healthcare providers.
- Led the integration of CWOW (Centre Without Walls) with Nautilus, streamlining the Revenue Operations (ROPS) processes by eliminating manual data entry, enhancing data accuracy, and improving overall system efficiency.
- Replaced existing clinical interfaces by integrating Nautilus with various clinical systems, ultimately retiring outdated platforms like Snappy, Chairside Snappy, and Falcon Dialysis.
- Enhanced billing and claims management workflows, reducing errors in patient billing transactions and accelerating the claim submission process, which resulted in cost savings for the organization.
- Designed and optimized the back-end system using .NET to manage large volumes of patient data and ensure secure data transfer between systems.
- Collaborated closely with cross-functional teams, including medical and IT professionals, to meet project milestones and ensure timely delivery.

### Smart Diseases Detector | *Python, Machine Learning*

- Developed a machine learning-based application to diagnose diseases based on medical data. This project aims to assist healthcare providers in making faster and more accurate diagnoses.
- Built a machine learning model using Python and scikit-learn to classify and predict diseases from input data (e.g., symptoms, lab results).
- Preprocessed and cleaned medical datasets, ensuring data quality and consistency for the model training phase.
- Achieved high accuracy rates by fine-tuning the model's parameters and optimizing its performance using techniques like cross-validation and hyperparameter tuning.
- Developed a user-friendly web interface to allow healthcare professionals to input data and receive predictions on potential diseases.

## Technical Skills

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**Languages:** Python, C, JavaScript, SQL, .NET

**Web Development:** HTML, PHP, Angular, ReactJS, NodeJS

**Databases:** Oracle, MySQL

**Cloud Platforms:** AWS, Azure

**DevSecOps:** CI/CD (Jenkins/GitHub Actions), Docker, Kubernetes, Terraform, SonarQube

**Data Visualization Tools:** Tableau, Power BI, Microsoft Excel, Google Sheets

**Tools:** Git, VS Code

## Certifications / Extracurricular

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**AWS Certified - Cloud Practitioner**

**Angular - The Complete Guide**

**NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)**

**The Ultimate MySQL Bootcamp**