

# DODDI GOPINADH

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## OBJECTIVE

I am a passionate and enthusiastic B.Tech student in Computer Science, specializing in IoT, with aspirations to excel as an innovative Software Engineer. Proficient in Java, SQL and data analysis. I am quick to master new technologies and drive cutting-edge solutions. As a collaborative team player, I am eager to optimize processes and contribute to dynamic environments as an Associate Software Engineer.

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## WORK EXPERIENCE

Electronics Design Intern

08/2024 – 11/2024

Comcare Enterprises | Remote

- **Developed an IoT-based fall detection system** using ESP32 and MPU6050, achieving **90% accuracy** in detecting falls.
- **Optimized power consumption** by implementing an **interrupt-based wake-up mechanism**, reducing standby power usage by **40%**.
- **Integrated emergency call functionality** using Twilio API, ensuring calls to **three registered contacts** within **10 seconds** of a detected fall.

Business Analytics powered by Qlik

04/2024 – 06/2024

Smart Internz Platform | Remote

- **Analyzed 100,000+ airline records** using Qlik Sense, identifying key trends in flight delays and cancellations.
- **Enhanced 10+ interactive dashboards** with KPI metrics, set analysis, and advanced filtering for real-time insights.
- **Optimized data models, reducing load time by 30%**, improving query performance for faster analytics.

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## PROJECTS

**Real-Time Chat Application using Java AWT and Swing**

02/2024 – 04/2024

Designed a real-time chat application using Java Swing, Applets, and Socket programming to facilitate seamless, instant messaging over a client-server architecture. Designed with a focus on secure, efficient communication, the project demonstrates the foundational principles of networking and client-server interaction, offering practical experience in Java-based user interface design and networking protocols.

**Machine Learning-Based Diagnostic System for Liver Cancer (HCC)**

02/2025 – 05/2025

- Developed a predictive model using clinical data to detect **viral and non-viral Hepatocellular Carcinoma (HCC)** with high accuracy using **Random Forest** and **AdaBoost algorithms**.
- Performed **data preprocessing, feature selection (mutual\_info\_classif)**, and model evaluation using metrics like accuracy, recall, and F1-score for medical relevance.
- Built and saved models for real-time prediction using Python (scikit-learn, joblib) in Jupyter Notebook, demonstrating non-invasive, scalable diagnostic potential.

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## EDUCATION

Acharya Nagarjuna University | B.Tech-Computer Science-IoT

2021-2025

R.V.R. & J.C College of Engineering Guntur, AP

CGPA: 9.3/10

Board of Intermediate Education | Intermediate  
Jupiter Junior College Guntur, AP  
CGPA: 9.88/10

2018 – 2020

Board of Secondary Education | 10th class  
V R High School Guntur, AP  
GPA: 9.8/10

2017 – 2018

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## SKILLS

**Programming:** Java, C, **SQL**, Database Management, Data Structures, Python, **OOPs**.

**Software & Technical skills:** **AI**, **ML**, **IoT**, Google Cloud Platform, Arduino, Blynk IoT, Qlikview, **MySQL** Workbench, **Gen-AI** & Tools,

**Soft Skills:** Communication, Project Management, Leadership & Team Work.

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## CERTIFICATIONS

- Java Certification | Wipro | NPTEL
- Prompt Engineering for ChatGPT | Coursera
- DBMS | Scaler Topics
- Generative AI | Google Cloud, Eduskills | OutSkill

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## AWARDS & ACHIEVEMENTS

- Certificate of Merit -Academic Prize | RVR&JCCE | 2024
- Won 2nd prize in Design Development Competition | RVR&JCCE | 2024
- Selected for SIH and UDVIKASH (24-hour Hackthon) | RVR&JCCE | 2023
- PPT presentation on topic “Mechatronics” and won 2 nd prize | RVR&JCCE | 2022
- Best Volunteer Award | National Service Scheme | 2024

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## ACTIVITIES

- Organized Smart Idea Challenge 2024 in RVR&JCCE
- Organized “Mock Up” event on the occasion of National wide Fest at RVR&JCCE | 2024
- Attended IEEE SPAX - Skill Development workshop on Innovation and Design Thinking | 2024
- Attended NSS Special Camp 2024 organized by RVR&JCCE

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## LANGUAGES

- English – Intermediate
- Telugu – Native

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## SELF DECLARATION

I hereby declare that the above furnished information is true to the best of my knowledge.

DODDI GOPINADH  
(Signature)