

# Navika Reddy

B.Tech. Computer Science and Business Systems

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## CARRER OBJECTIVE

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To secure employment with a reputable organization and to fully utilise my skills, while making a significant contribution to the success of the organization.

## EDUCATION

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- **VNR Vignana Jyothi Institute of Engineering and Technology - Hyderabad**  
Bachelor of Technology – Computer Science and Business Systems – CGPA: 9.38 (2021-Present)
- **Narayana Junior College - Hyderabad**  
Intermediate (Class 12) – Percentage: 98.8% (2019-2021)
- **St. Andrews High School - Hyderabad**  
Class 10 – Percentage: 91.6% (2018-2019)

## SKILLS

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- **Programming Languages** – C++, Python, Java, C, R, SQL
- **Web Development** – JavaScript, HTML, CSS, Bootstrap, MongoDB, ReactJS, NodeJS, .Net, Unity
- **Soft skills** –Team-player, Adaptability, Self-Starter, Innovative, Enthusiastic Learner, Perseverance.

## PROJECTS

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- **Gamified Learning for DSA Labs**: Developed using MERN and Unity, this project integrates gamified elements into labs to enhance student understanding of Data Structures and Algorithms. It features interactive learning modules, a code editor with scoring based on test cases, and performance dashboards with visual analytics. Leaderboards help compare students progress with their peers.
- **Lost And Found Hub** – Developed .NET-based web application to simplify the reporting and recovery of lost items. It enables search based on date, type, and location. Integrated a chat function to facilitate direct communication between users. Additionally, incorporated email notifications to keep users informed about updates regarding their lost items.
- **Lung Cancer Survival Level Prediction** – The primary goal of the project is to forecast a patient's chances of surviving lung cancer based on a variety of factors, including smoking, air pollution, allergies to dust, and other factors that may have an impact on a patient's likelihood of survival. Many Python libraries, including pandas, numpy, matplotlib, and sklearn, are used in this project.
- **BookMyVnrRide** – The purpose of this project is to digitalise college-related applications including the provision of bus passes. Developed a .NET web application for college transport, allowing users to submit bus pass forms and search for available buses.
- **Postfix evaluator using graphics** – Visual Representation of postfix evaluation using graphics.h in C.

## HACKATHONS

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- **Code for Good - JPMorgan Chase Hackathon:** Participated in a hackathon to solve a real-world problem for the St. Bhatevara Foundation. Developed a MERN stack solution to automate their scholarship process, including student dashboards for scholarship applications and staff portals for application review and progression. Additionally, created an alumni portal to connect past scholarship recipients with current students, offering training and industry insights.
- **Design-a-thon** - Developed a MERN stack application that offers resources for women's health and welfare, including features like menstrual tracking, BMI-based dietary plans, and exercise routines. The goal was to provide better health advice for women
- **Webathon** - Developed a MERN stack application to tackle homelessness, featuring functions like reporting homeless individuals, providing housing guidance, and information on government programs.
- **VJ Hackathon** - Submitted a proposal with the aim of minimizing the number of intermediaries between farmers and buyers, fostering a more direct connection.

## CONTESTS & COURSES

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- **OctCoder** Finalist in the coding contest conducted at college
- **Programming in Java** NPTEL course in Java – Secured Top 2% score
- **Project Halloween** Participated in the coding contest conducted at college.

## EXTRACURRICULARS

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- **Student Volunteer – Design-a-thon National Level Hackathon:**  
Assisted in organizing the event, ensuring smooth operations, and providing support to participants during the hackathon.

## PROFILES ON ONLINE PLATFORMS

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- **GitHub** - <https://github.com/NavikaReddy>
- **Hackerrank** - <https://www.hackerrank.com/profile/navikareddy12>
- **Leetcode** - <https://leetcode.com/navikareddy/>
- **Codechef** - [https://www.codechef.com/users/navikareddy\\_12](https://www.codechef.com/users/navikareddy_12)

## KEY COURSES UNDERTAKEN

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- Data Structures and Algorithms
- Design and Analysis of Algorithms
- Database Management Systems
- Object – oriented Programming
- Computer Networks
- Operating Systems