



# NEHA VITHOB NAYAK

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Sharavati Hostel, SDMCET front gate, Dharwad.

## CAREER OBJECTIVE:

A third-year computer science undergraduate with a strong foundation in software development and collaborative project experience. Eager to apply the theoretical knowledge and hands-on experience gained through academic projects, certifications and previous internships to solve real world problems.

## EDUCATION

**Shri Dharmasthala Manjunatheshwara College of Engineering and Technology.**

*B.E in Computer Science* CGPA: 9.76

**Himalaya PU College, Ankola**

Percentage: 95.66%

**Nirmala Hridaya High School, Ankola**

Percentage: 96.16%

**Dharwad, Karnataka**

*Current*

**Uttara Kannada, Karnataka**

*May 2020 – April 2022*

**Uttara Kannada, Karnataka**

*March 2019 – April 2020*

## PROJECTS

### 1. E-Learning Platform

**Oct 2024**

**Tech Stack:** MERN Stack (MongoDB, Express.js, React.js, Node.js)

- Developed a full-stack platform with course listing, enrollment, video playback, quizzes, and admin control.
- Designed responsive UI using React and built REST APIs with Node.js and Express.js.
- Implemented an admin dashboard for managing courses, quizzes, and users.

### 2. Camouflage Detection System

**Dec 2024**

**Tech Stack:** Python, YOLO, Multispectral Imaging, OpenCV, NumPy

- Implemented YOLO for detecting concealed objects in aerial images.
- Enhanced detection using multispectral imaging for better accuracy.
- Applied in defense and agriculture for real-time object classification.

### 3. Online Movie Booking System

**Feb 2025**

**Tech Stack:** Java, JSP, Servlets, MySQL, JDBC, HTML, CSS, Apache Tomcat

- Developed a web application for movie listing, seat selection, booking, and cancellations.
- Built dynamic JSP pages and backend logic with Servlets and JDBC.
- Used MySQL for data storage and deployed locally using Apache Tomcat.

### 4. SDMHUB Project

**May 2025**

**Tech Stack:** React Native, Node.js, Express.js, MongoDB.

- Developing a mobile app for student collaboration, resource sharing.
- Building frontend with React Native and backend APIs using Node.js and Express.js.
- Using MongoDB and Firebase for data storage, authentication, and real-time updates.

## WORK EXPERIENCE

### 1. Intern, Algor Technology

**Mar – Aug 2025**

**Tech Stack:** Python, OpenCV, MediaPipe, NumPy

- Built AI models for a fashion-tech app.
- Focused on model development, testing, and integration support within a cross-functional team.

## CERTIFICATIONS

- Earned a certification on [Full Stack Web Development](#) from Udemy.
- Earned a certification on [Programming Fundamentals using Python Course](#) by Infosys.
- Earned Professional Certificate on [Career Essentials in Generative AI](#) by Microsoft and LinkedIn.
- Earned a certification on [Data Structures and Algorithms using Java](#) by Infosys.
- Earned a certification on [Introduction to MongoDB](#) by MongoDB

## SKILLS

- Languages:** Python, Java, C, JavaScript, HTML, CSS, SQL, PHP
- Web Development:** Node.js, React.js, Express.js, MongoDB, SQL
- Libraries & Frameworks:** OpenCV, TensorFlow, NumPy, JUnit
- Core CS Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Database Management Systems (DBMS), Operating Systems (OS), Computer Vision, Deep Learning
- Tools & Platforms:** Git, GitHub, VS Code, Eclipse, Apache NetBeans, Google Cloud Platform, Jira
- Soft Skills:** Communication, Teamwork, Adaptability, Problem-Solving, Time Management, Leadership
- Languages known:** Kannada, English, Hindi, Japanese