

# ABHISHEK CHOUDHARY

Noida, India

 +91-6002384956

 [abhi1312choudhary@gmail.com](mailto:abhi1312choudhary@gmail.com)

 [LinkedIn](#)

 [GitHub](#)

[LeetCode](#)

## EDUCATION

Vellore Institute of Technology, Bhopal

2022 – 2026

B.Tech - Computer Science and Engineering - **CGPA - 8.45**

Bhopal, Madhya Pradesh

## PROJECTS

[AI-ML Based Food Preparation Prediction System](#) | Scikit-learn, Colab, Python

March 2025

- Developed a deep learning model using TensorFlow and Keras, achieving  $R^2$  scores of 0.85–0.94 for multi-meal predictions across breakfast, lunch, and dinner.
- Generated 9000+ synthetic datasets capturing food correlations (e.g., rice with rajma) and performed robust preprocessing.
- Optimized neural networks with early stopping and hyperparameter tuning, scaling from single to full-day predictions using 25+ input features.
- Elevated food preparation efficiency by achieving highly accurate multi-meal predictions, leading to optimized resource allocation and reduced waste.

[Mess Management System](#) | SpringBoot, Angular, MySQL, Docker, Git

Nov 2024

- Designed and implemented a full-stack college mess platform using Spring Boot (backend) and Angular 17 (frontend), backed by a MySQL database, containerized with Docker.
- Enabled student record management, bill tracking, and dynamic menu display via RESTful APIs.
- Planned enhancements: dynamic scheduling, automated fee reminders, and ML-driven food preparation prediction.
- Enhanced student control and improved user experience by centralizing college mess operations through a robust full-stack application.

[Breast Cancer Detection using CNN \(Team of 5\)](#) | Scikit-Learn, Colab, Python

Sept 2024

- Implemented a baseline ML model using CSV datasets to detect cancer.
- Enhanced accuracy by using CNN on medical imaging datasets.
- Compared performance between traditional ML and CNN models, showing over 30% improvement.
- Delivered a more accurate and reliable breast cancer detection tool, contributing to improved diagnostic capabilities.

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, SQL

**Developer Tools:** Docker, VS Code, IntelliJ IDEA, Postman

**Technologies/Frameworks:** Linux, GitHub, Vercel, Render, Angular, Git, Spring Boot MVC, Pandas

## ACHIEVEMENTS

- Solved **250+** questions on LeetCode, demonstrating strong problem-solving skills.
- Completed the **100 Days of Code** challenge, enhancing coding discipline and grasp of DSA concepts.

## EXTRACURRICULAR

- **Linux Technical Club (Member, Oct 2022 – Oct 2023):** Participated in club activities, tech discussions, and workshops at VIT Bhopal.
- **Advitya Event (Finalist, Feb 2023 – Nov 2024):** Reached finals in college cricket tournaments, showcasing team spirit and sportsmanship.

## CERTIFICATIONS

- [Applied Machine Learning with Python](#) - Coursera
- [Intermediate Machine Learning](#) - Kaggle
- [Privacy and Security in Online Social Media](#) - NPTEL