

# CHANDAN T O

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## CAREER OBJECTIVE

To contribute meaningfully to an organization by applying my technical and interpersonal skills, continuously expanding my knowledge, and delivering impactful solutions in a collaborative environment.

## EDUCATION

| Year      | Degree    | Institute                                      | CGPA/%    |
|-----------|-----------|--|-----------|
| 2021–2025 | B.E (CSE) | Sri Siddhartha Institute of Technology, Tumkur | 9.17 CGPA |
| 2021      | PUC       | Vidyanikethan Pre-University College           | 76.5%     |
| 2019      | SSLC      | Maruthi Public School                          | 72%       |

## SKILLS

### Python:

- Strong grasp of Python fundamentals including data types, slicing, operators, type casting, and copy operations.
- Proficient in control flow statements and writing modular, readable code using functions, recursion, and variable scopes.
- Solid understanding of OOP concepts such as inheritance, polymorphism, encapsulation, and abstraction.
- Familiar with advanced topics like lambda functions, map/filter, decorators, generators, file handling, SQL connectivity, comprehensions, exception handling, regex, and parsing.

### SQL:

- Good understanding of RDBMS concepts such as tables, constraints, data types, and normalization.
- Hands-on experience with DQL, DDL, DML, DCL, and TCL commands.
- Proficient in joins (INNER, LEFT, RIGHT, FULL), subqueries, correlated subqueries, views, pseudo-columns, nested queries, and clauses like WHERE, GROUP BY, and ORDER BY.

### Web Technologies:

- Skilled in HTML, CSS, and JavaScript for creating, styling, and enhancing dynamic and responsive web pages.

**Soft Skills:** Communication, Time Management, Leadership

**Tools:** Microsoft Word, Excel, PowerPoint, Power BI Desktop

## INTERNSHIP EXPERIENCE

### Internship

MIT Square, Bengaluru

Aug 2023 – Oct 2023

- Gained hands-on experience in Python programming, **data analysis**, and scripting for automation.
- Built and delivered two minor projects applying Python for real-world problem-solving.

### Internship

Robowaves, Bengaluru

Mar 2025 – Present

- Worked on **front-end development** using HTML, CSS, JavaScript, and Bootstrap.
- Contributed to a **full-stack web application**, including **backend development** with database integration.

## PROJECTS

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### Online Voting System

[\(Code Link\)](#)

**Tools & Technologies:** HTML, CSS, JavaScript, PHP, MySQL

- Developed a secure web application for conducting online elections.
- Used by 500+ users during college elections.
- Selected for *Technodia* (national-level exhibition) and successfully adopted for real elections.

### Virtual Assistant

[\(Code Link\)](#)

**Tools & Technologies:** Python, Machine Learning

- Built an AI-based assistant capable of detecting potential diseases from user symptoms.
- Integrated machine learning models for intelligent response generation.
- Designed an easy-to-use interface for non-technical users.

### SDN Based Ddos Detection and Mitigation

[\(Code Link\)](#)

**Tools & Technologies:** Python, Mininet, SDN, Machine Learning

- Machine Learning-Driven Detection: The project integrates ML algorithms (like Random Forest) with Software-Defined Networking (SDN) to detect DDoS attacks in real time by identifying abnormal traffic patterns and suspicious ports.
- Efficient Mitigation Mechanism: Instead of blocking entire IP addresses, the system selectively blocks only malicious ports for a short duration, minimizing false positives and ensuring legitimate traffic remains unaffected.

## CERTIFICATIONS

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- Certified by Wadhwani Foundation in Employability Skills - JobReady.
- Certified by NPTEL in Privacy and Security in Online Social Media.
- Certified by NPTEL in Responsible and Safe AI.
- Certified by Great Learning in Front End Development - HTML.

## DECLARATION

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I hereby declare that the information provided above is true and correct to the best of my knowledge and belief. I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Tumkur

Signature  
Chandan T O



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