

Dharshan T

dhharshan.talapneni@gmail.com — +91-8317647656 — LinkedIn: t-dharshan-1bb982231

EDUCATION

- **Siddharth Institute of Engineering and Technology** Puttur, Andhra Pradesh
B.Tech in Computer Science Engineering; CGPA: 7.5
2021 – 2025 (Ongoing)
- **Sri Vivekananda Junior College** Andhra Pradesh
12th Grade; CGPA: 8.2
2021
- **R.K. Model School** Andhra Pradesh
10th Grade; CGPA: 9.7
2019

TECHNICAL SKILLS

- **Programming Languages:** Core Java, Python Basics
- **Frontend Development:** HTML
- **Database:** MySQL
- **Developer Tools:** VS Code, MySQL Workbench, IntelliJ IDEA, Eclipse, GitHub
- **Other Skills:** Operating Systems, Database Management Systems, Object-Oriented Programming, Data Structures and Algorithms, Software Engineering
- **Languages:** English, Telugu, Kannada

INTERNSHIPS

- **Cognifyz** Nov 2024 – Dec 2024
Internship Projects
 - **Tic Tac Toe:** Created Tic Tac Toe game using Java.
 - **Password Strength Checker:** Built system to evaluate password strength based on defined criteria.
 - **File Encryption/Decryption:** Implemented encryption and decryption for system files using custom algorithm.

PROJECTS

- **Mitigating DDoS Attacks with CNN-RPL** Jan 2025 – Present
Individual Project
 - **Description:** Developed a computationally efficient Intrusion Detection System (IDS) to mitigate unknown DDoS attacks using Convolutional Neural Networks (CNN) and Reciprocal Points Learning (RPL).
 - **Key Features:**
 - Implemented open-set recognition to improve adaptability against unknown attacks.
 - Achieved improvement in accuracy in detecting unknown DDoS attacks using CICIDS2017 and CICDDoS2019 datasets.
 - Reduced complexity and computational demands by 20% compared to traditional deep learning models.
 - Integrated incremental learning for dynamic adaptation to evolving attack patterns.
- **Chatbot System for Universities** Sep 2024 – Oct 2024
Individual Project
 - **Description:** Designed a text-based chatbot to handle college-related queries through natural language processing with text and speech output.
 - **Key Features:**
 - Stateful design to remember prior interactions, improving context-based responses.
 - Integrated with web services for secure access, broadening its reach to users.
 - AI-based response generation for dynamic inquiries, enhancing user engagement.
 - MySQL-backed database for storing user data, supporting seamless query handling.
 - Users required to register and log in to interact with the chatbot, ensuring secure access.
 - A Graphical User Interface (GUI) provided real-time communication, mimicking human interactions.

ACHIEVEMENTS

- **Memory Test Event:** Secured 2nd prize in Memory Test at R.K. Model School, Feb 2016.
- **Student of the Year:** Awarded Student of the Year at R.K. Model School, Jan 2017.

CERTIFICATIONS

- **Python:** Kaggle
- **App Design for Android:** HCL Technologies