

KEDAR PANDYA

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Education

University of Windsor

January 2024 - Present

Master of Applied Computing

Windsor, Ontario, Canada

- Available for 4-8 months internship starting January 2025: Degree Completion directly after internship.

Ganpat University

June 2019 - June 2023

Bachelor of Technology in Information and Communication Technology, CGPA: 9.30

Mehsana, Gujarat, India

- Relevant Coursework: Computer Networks, Embedded Systems, Operating Systems, Object Oriented Programming

Technical Skills

Programming Languages: C++, Python, C, JavaScript, SQL

Cloud Technologies: AWS, Azure

Tools: JIRA, Salesforce

Technologies/Frameworks:: GitHub, Django, tailwind CSS

Data Visualization Tools: Tableau, Power BI

OS: UNIX(MAC, Linux), Windows

Other: Assembly Language (Basic)

Soft Skills

Problem-Solving, Team Collaboration, Communication, Initiative, Adaptability, Leadership, Analytical Thinking, Time Management, Strategic Planning, Performance Improvement, Strategy Formulation, Training

Internship/Work-Experience

Trend Micro India

January 2023 - October 2023

CUSTOMER SUCCESS ENGINEER

Trend Micro

- Led implementation and support for Trend Micro's Endpoint Security and Network Defence products including Apex One and Apex Central.
- Achieved Level-3 Certification in Apex One, demonstrating highest proficiency.
- Collaborated with clients to troubleshoot and optimize security solutions, ensuring high customer satisfaction.

Projects

C++ Sudoku Solver | C++, STL, Algorithms

January 2024 - January 2024

- Created an advanced Sudoku solver in C++ to read puzzles from a text file and output solutions efficiently.
- Leveraged STL containers (e.g., vector, algorithm) for efficient data handling and manipulation.
- Utilized `std::unique_ptr` and `std::shared_ptr` for automatic memory management, enhancing performance by 30%.
- Implemented backtracking and constraint propagation algorithms, achieving a 90% success rate in solving complex puzzles.
- Designed a modular class-based architecture, improving code maintainability and scalability by 40%.

Marine-Bot Analyst | Python, Flask, MATLAB, IoT, JavaScript

January 2024 - April 2024

- Developed an integrated solution for real-time underwater object analysis using autonomous rovers, boosting data collection efficiency by 50%.
- Created a web dashboard for data visualization and control using Flask.
- Implemented ML models and IoT for real-time sensor data analysis, increasing analysis accuracy by 75%.
- Utilized MATLAB for creating autonomous navigation controllers.
- Initiated enhancements to system based on testing and user feedback, ensuring continuous improvement.
- Collaborated on mobile app development for sensor data access.

Minibash | *C, System Calls, Fork(), Exec()*

June 2023 - July 2023

- Developed a custom shell program **minibash** in C, handling commands with special characters like **#** for word count, for file concatenation, **+** for background processes, **|** for piping, and **</>/>>** for redirection.
- Implemented sequential (**;**) and conditional (**/||**) execution, managing up to 4 operations for each, enhancing command versatility and process management.

E-commerce web application | *Python, Django, HTML, Bootstraps, Sqlite3*

June 2022 - August 2022

- Developed a dynamic e-commerce platform with a comprehensive admin panel for product management.
- Implemented user authentication, order tracking, and a robust database, improving transaction efficiency by 30%.
- Enhanced performance by adjusting database queries, reducing page load times by 20%.

Leadership / Extracurricular

Student Placement Team

September 2021 - December 2023

CO-ORDINATOR

Ganpat University

- Organized and coordinated campus recruitment drives, facilitating over 70 company visits and ensuring placements for more than 250 students.

Hackathon

September 2022 - September 2022

TEAM LEADER

Ganpat University

- Led team in the Azadi ka Amrit Mahotsav hackathon, developing a Student Lifecycle management system web application.
- Coordinated project tasks, ensuring given project was completed within 48 hours and met all hackathon requirements.