

Ninad Deshpande

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Skills

- Python | Java | JavaScript | C++ | C | MySQL | NoSQL | Git
- OOP | Cloud Computing | Data Analytics | Machine Learning
- Languages: English, Marathi, Hindi

Education

Purdue University, Indianapolis, IN, USA

CGPA: **4.00**

Master of Science

Computer & Information Science

AISSMS Institute of Information Technology, Pune, MH, INDIA

CGPA: **9.25 / 10.00**

Bachelor in Engineering

Computer Engineering, with Honors in Data Science

Projects

Customer Relationship Management: Web Application - PHP, MySQL, Apache

Group size: 4

- Programmed a Machine Learning model to assess the likelihood of closing generated leads, enhancing the application's predictive capability.
- Demonstrated strong project management and interpersonal skills in coordinating academic coursework related to the project by collaborating with the team and college staff.
- The web apps locally deployed in each organization, collectively have been used by over 1,000 customers.

Autofill Google Chrome extension - JavaScript, HTML, CSS

- Developed a custom Chrome extension to streamline data entry process by automatically populating specific fields on current webpage.
- Successfully deployed the Chrome extension on each company machine, resulting in 75% increase in data entry efficiency, receiving positive feedback from users.

Enigma Machine Simulation: Console cipher - Python

- Designed and implemented a console version of Enigma Machine simulation using Python, demonstrating proficiency in algorithm design and understanding of cryptography.
- Utilized Object-Oriented programming principles to create modular code for the encryption and decryption process.
- Created comprehensive codebase documentation, providing clear and concise instructions for future.

Coursework Projects

Bitwise Huffman Encoding in C++

Group size: 3

Course: Design & Analysis of Algorithms

- Implemented Huffman encoding algorithm in C++ to compress and decompress text files efficiently, utilizing character frequency analysis and binary encoding to achieve space optimization.

Survey on Data Acquisition for building Digital Twin Networks

Group size: 1

Course: Data Communication & Computer Networks

- Survey paper explaining the concept of Digital Twins in detail and delving into the data acquisition challenges and solutions within Digital Twin Networks (DTN), elucidating their application in network twinning.

Publication

Title: "A Modular Approach to Customer Relationship Management (CRM) Systems" in IJARST Sept 22 Vol 2 Issue 1

DOI: **10.48175/IJARST-7119**

Campus / Community Involvement

Team Leader - Retracer - Technical Event for College Fest "Alacrity"

Group size: 3

- Successfully coordinated and executed all aspects of the event, including planning, marketing, registration and actual competition.

Team Leader - Village Outreach Program

Group size: 10

- Coordinated and organized the collection of food, water, and administrative data for the village.
- Demonstrated strong organizational and leadership skills in ensuring the successful execution of the outreach program.