

Karthika Shalini Potal

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EDUCATION

The University of Texas at Dallas

Master of Science in Computer Engineering

Richardson, TX

August 2024 - Present

Course Work: Applied Data Structures and Algorithms, Computer Architecture and Organization, Machine Learning.

Malla Reddy Engineering College for Women

Bachelor of Engineering in Computer Science | CGPA: 8.5/10.0

Telangana, India

May 2024

Course Work: Programming for Problem Solving in AI, Cloud Computing Fundamentals, Programming in Python.

WORK EXPERIENCE

Braino Vision Pvt. Ltd.

Intern - Web Developer

Telangana, India

Mar 2023 - Aug 2023

- Acquired knowledge in AI, OOP, network, databases, web development.
- Collaborated effectively with client developers to implement highly beneficial end-user features using the specified technology stack.

TECHNICAL PROJECTS

Smart Farmer-IoT Enabled Smart Farming Application (IBM Project)

Stack: Python | Cloudant DB | IBM Watson | Node-RED

- Smart Farmer leverages IoT, IBM Watson, and Node-RED for real-time agricultural monitoring and control. Cloudant DB and Python scripting ensure data-driven decisions for farmers in evolving agriculture.

Face Mask Detection using Image Processing

Stack: Python | OpenCV | TensorFlow | Keras

- Developed a face mask detection system utilizing image processing and deep learning techniques to promote public health measures during the COVID-19 pandemic.

Virtualization of Computer Peripherals

Stack: VMware | VirtualBox | QEMU | Linux

- Organized and synthesized information regarding performance metrics, compatibility issues, and user experiences across different virtualization platforms.

Early Prediction of Major Diseases using Machine Learning

Stack: Python | Scikit-learn | Pandas | SQL

- Designed the software architecture to handle large datasets related to viral sequences, infection rates, and transmission patterns.

SKILLS&INTERESTS

Programming & Databases: Python, C, MATLAB, MySQL, MongoDB

Web-Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js, Visual Studio.

OS & Cloud Version Control: Windows, Mac OS

Other Skills: Financial & Tax Accounting, Web Development, Database Management, SDLC, Creative and Analytical Skills.

ACHIEVEMENTS&CERTIFICATES

- Winner of **Accenture Innovation Challenge 2021**, emerging victorious among 10,000+ participants in Accenture India's competition. • Secured 1st place in **CodeFury 3.0**, triumphing over 1000+ contestants in the prestigious UVCE College event
- Successfully completed the **Crash Course on Python** from Coursera, with an endorsement from Google.
- Certified completion of **iOS & Swift - The Complete iOS App Development Bootcamp** on Udemy.
- Achieved certification for **React, NodeJS, Express & MongoDB - The MERN Fullstack Guide** on Udemy.

