

Atharva Dharane

Cincinnati, OH – (513) 372-0469 – dharaanar@mail.uc.edu – [linkedin.com/in/atharva-dharane/](https://www.linkedin.com/in/atharva-dharane/)

EDUCATION

Master of Engineering, Computer Science

January 2021 - Present

University of Cincinnati College of Engineering and Applied Science

(GPA: 3.67/4)

Relevant Coursework: Artificial Intelligence, Machine Learning, Intelligent Data Analysis, Deep Learning, Intelligent Systems

Bachelor of Engineering in Computer Science

May 2020

Modern College of Engineering, Savitribai Phule Pune University, Pune

(GPA: 8.88/10)

Relevant Coursework: Data Analytics, Database Management, Design and Analysis of Algorithms, Software Engineering, Machine Learning, Artificial Intelligence, and Robotics

TECHNICAL SKILLS

Tensorflow, Keras, Pytorch, Python, R, RShiny, Java, Android, HTML & CSS, Firebase, MySQL, Adobe Photoshop, MS Office Suites

ACADEMIC PROJECTS

Textual Analysis using Gramian Angular Field

August 2021

- Researched on converting textual Time series data into image data using Gramian Angular Field and further applying CNN on these images to understand retaining of textual semantics.

Gene Expression Analysis using RShiny

May 2021

- Built a web application using RShiny and iLINCS API for differential expression analysis in breast cancer dataset.

Type 2 Diabetes Individualistic Treatment line suggestion using Artificial Neural Network

May 2020

- Developed a desktop application with three others to assist doctors by suggesting suitable individualistic treatment line for type-2 diabetic patients using Artificial Neural Network and in accordance with the ADA Guidelines.

Researched and presented a seminar on: Shadow detection and removal using Machine Learning algorithms and image processing techniques.

March 2020

Canteen Management application Development using Android Studio

May 2019

- Lead a team of four members to develop an android application for efficient management of Cafeteria. It helped to manage inventory, billing, place orders and notify customers.

PUBLICATION

Comparative Study of Genetic Algorithm and Artificial Neural Network for Multi-class Classification based on Type-2 Diabetes Treatment Recommendation model, IEEE, Sixth International Conference on Parallel, Distributed and Grid Computing, 2020.
<https://ieeexplore.ieee.org/document/9315837>

WORK EXPERIENCE

Desk Assistant, University Housing Services

August 2021

- Managed desk operations such as keeping track of registers and packages, attending to service and maintenance requests..

Event Manager, Tangeman University Centre, University of Cincinnati

June 2021

- Collaborated with different teams like Audio-video control, Finance and Management for organizing events at the university.

Associate, Digital Philanthropy Centre, University of Cincinnati Foundation, Cincinnati

May 2021

- Communicated with alumni for data gathering, fund-raising and maintaining good relations.

Software Intern, WYSE Biometrics

June 2019

- Worked with the Engineering team for building a biometric security system to be installed in Taj chain of hotels.

CERTIFICATIONS

- Deep Learning A-Z: Hands-On Artificial Neural Networks
- Neural Networks and Deep Learning: deeplearning.ai
- Google Certification for IT Security: Defense Against Digital Dark Arts
- Google Cloud Certification for Machine Learning with Tensorflow Using Google Cloud

ACHIEVEMENTS

- Student Representative of University ACM Chapter.
- Amongst top 5 teams in n FIS Innovate48 Hackathon student edition.

August 2021