

Foram Kavathiya

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EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA

Candidate for a Master of Science in Computer Science

Relevant Courses: Algorithms, Database Management Systems, Programming Design Paradigm, Data Mining, Foundations of Software Engineering, Fundamentals of Cloud Computing

Jan. 2021 - Present

Expected, Dec 2022

CGPA: 3.55

Pandit Deendayal Petroleum University, Gandhinagar, India

Bachelor of Engineering in Information and Communication Technology

Relevant Courses: Data Structure, Design & Analysis of Algorithms, Big Data Analytics,

Operating Systems, Python, Artificial Intelligence, Machine Learning, Theory of Computation, Software Engineering

May 2020

CGPA: 8.48

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL, HTML, CSS, JavaScript

Libraries and Tools: Tableau, MATLAB, Arduino IDE, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Node.js

Databases: MySQL, SQLite, PostgreSQL, MongoDB

EXPERIENCE

Khoury College of Computer Sciences, Boston, MA

September 2021 - Present

Graduate Teaching Assistant for CS 1800

- Assisting instructor in managing the evaluation of course assignments and development of feedback
- Holding office hours with students to review materials, answer general questions, and provide some assistance on assignments

Starline InfoTech, Rajkot, India [Internship]

June 2019 – July 2019

Web Development Intern

- Led team of 3 people in devising a web-based app for Residential and Commercial Building System.
- Developed a web application for a bank valuer to reduce work of editing reports, know payment records if clients paid for work or not and export those details to excel sheet.
- Evaluated property in question by generating valuation report.
- Formulated visually appealing front-end modules using HTML and CSS to make interface as user friendly.

Lamar University, Beaumont, TX

June 2018 – July 2018

International Exposure Program

- Learned few topics such as engineering logistics, cost analysis, demand and supply structure in engineering industry and innovation strategies in a global context.
- Designed a product by doing economic analysis and then determine whether it would be more feasible to manufacture in USA or import from another country.
- Devised a remote-controlled robot capable of detecting hurdles while moving and avoiding it under supervision of Dr. Hassan Zargarzadeh.

ACADEMIC PROJECTS

Smart Home Automation – Energy Saving [Python and Arduino Programming]

- Created a model for a standalone web server with a Raspberry Pi that can toggle LEDs from an ESP32 utilizing MQTT protocol. And then integrated it with four modules named Automatic lights and fans, Water Level monitoring system, Password protected door-lock and Smart dustbin using Arduino in Tinkercad.

Face Recognition [Python]

- Built a project to determine expression of input image according to saved database using techniques such as Principal Component Analysis and Linear Discriminant Analysis.

Sentiment Analysis on Movie Reviews [Python]

- Identified underlying sentiment of a movie review on basis of its textual information. It was classified whether a person liked a movie or not based on review they give for movie.

INTERESTS AND ACTIVITIES

- Certifications:** NLP with Python for Machine Learning, Advanced NLP with Python for Machine Learning.
- Leadership:** Head of Technical and Sports Fest (2018 and 2019) and organized and managed different events.
- Hackathons:** Certificate of participation in Let's Hack – CS/ICT Hackathon 2019 conducted by PDPU IIC.