

Harsh Jigneshkumar Patel

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EDUCATION

Master's (MS) in Computer Science. <i>Specialization: Big Data Systems</i> <ul style="list-style-type: none">Arizona State University	(08/2021 - Present) (Cum. GPA: 3.8/4.0)
B. Tech in Information Technology Engineering <ul style="list-style-type: none">Nirma University.	(07/2017 – 07/2021) (Cum. GPA: 3.7/4.0)

WORK EXPERIENCE

W.P. Carey Business School, Arizona State University <i>Graduate Teaching Assistant and Research Assistant</i> <ul style="list-style-type: none">Teaching and grading assignments for Data Mining. Mentoring 350 students for the projects and assignments, and queries.Mentoring 30 research groups working on projects related to Natural Language Processing and NLU.Researching on a project related to Natural Language Understanding and Hate Speech Detection under Prof. Kyuhan Lee.	Arizona, USA 01/2022 - Present
University Technology Office, Arizona State University <i>Collaborative Support Assistant</i> <ul style="list-style-type: none">Handling advanced troubleshooting and System Administration duties, as well as assist the Messaging and Collaboration Support Staff with ASU wide projects and documentation. Providing services to 20,000 students by managing a team of 8.Managing a personal ticket queue and coordinating with customers and 70 local Deskside IT units in resolving complicated and advanced technical issues for a wide variety of products and services on Mac, Windows, and Mobile environments.	Arizona, USA 12/2021 – 01/2022
Searce Inc. <i>Cloud Consultant</i> <ul style="list-style-type: none">Coordinated the deal generation and pipelining the entire infrastructure for Google Cloud. Managed a team of 15 Cloud Consultants with deals worth \$400,000 in revenue within 4 months.Managing growth of South Region-India for the Corporate sector of the cloud migration, AI, ML and Analytics for 120 current customers and 435 potential customers to Google Cloud.	Pune, India 01/2021 - 06/2021
Global Vox LLC <i>Machine Learning Engineer</i> <ul style="list-style-type: none">Engineered a customized speech to text converter application with Machine Learning and deep learning technology along with deployment in the form of a Chrome Plugin using JavaScript and Flask, increasing the listening bandwidth to 2 minutes from 1 minute offered by Google. Managing the production of the entire software ranging from development to deployment.Saved 300-man hours of inspection and testing during development and deployment of the product.	Ahmedabad, India 05/2020 – 11/2020
Episodic Labs <i>Data Scientist</i> <ul style="list-style-type: none">Developed marketing analytics platform with social networking data from Twitter and LinkedIn using Selenium: Natural Language Processing and Machine Learning for sentiment analysis. Built a model for understanding user sentiments for sport equipment. 1.2 million tweets analyzed. Worked with Computer Vision for video and image analysis for pose estimation and performance enhancement.Enhanced the business modeling while working as a business analyst with first 1000 customers within 3 months of launch of the product.	Ahmedabad, India 11/2019- 06/2020
Nirma University <i>Machine Learning Tutor and Grader</i> <ul style="list-style-type: none">Taught 10 weeklong courses related to Machine Learning and Data Science to 32 students over the course of 3 years including lectures and application projects related to Natural Language Processing and Computer Vision. Guiding students for 73 projects over the course of 3 years with 13 successfully published research projects.	Ahmedabad, India 05/2018 – 05/2021

SKILLS AND EXPERTISE

Language Skills: Java, Python, C++, C, SQL, HTML, CSS, Javascript, PHP
Tools and Technologies: Software Development, Data Science, Machine Learning, Cloud Computing, Natural language Processing, Data Analytics, Google Cloud, AWS, Data Structures and Algorithms
Soft Skills: Research, Leadership, Team Management, Time Management, Networking, Public Speaking

ACADEMIC PROJECTS.

Unsupervised sentiment analysis with impact of reviewer's emotion <i>Team Leader and Research Student.</i> <ul style="list-style-type: none">Implemented a model with sentiment analysis using LSTM and numerical analysis using machine learning libraries to analyze if the users writing the reviews are emotionally triggered or are even headed based on the previous reviews posted by them. 2.3 million reviews analyzed.NLTK library along with 6 machine learning algorithms are used for comparative analysis on the evaluation metrics. Enhancing the accuracy of the analysis by 6.1% with the novel approach of sentiment analysis.	Ahmedabad, India 01/2019 – 11/2019
Graph-based Data Analysis. <i>Research Student</i> <ul style="list-style-type: none">Analyzed tweets pertaining to the public health service domain with the help of graphs by establishing relations between nodes based on the relativity and similarity indices. Various similarity coefficients are analyzed for the performance and correlativity of the topics.Based on the analysis, the tweets pertaining to the same aspects are grouped together for enhanced analysis and the subject matter pertaining to the same field of interest. This helps in efficient analysis along with improved results of research.	Ahmedabad, India 03/2018 – 12/2018

PUBLICATIONS

<u>Unsupervised sentiment analysis with impact of reviewer's emotion</u> -----	ETCCS 2020
<u>Diabetes Prediction using Machine Learning.</u> -----	C4S 2020
<u>A Knowledge Investigation Framework for Crowdsourcing Analysis for e-Commerce Network.</u> -----	MLWMS
<u>AI approaches for breast cancer diagnosis: A comprehensive study</u> -----	CICC 2021
<u>Investigation of IOMT based Cancer Detection and Prediction.</u> -----	Cancer Prediction for Industrial IoT4.0

LEADERSHIP EXPERIENCE

<ul style="list-style-type: none">Led the team for a National level Startup-idea competition and won the contest with 500+ teams' participation from India.General Secretary of the Infocrats club at Nirma University and organized multiple coding hackathons and coding contests weekly.
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HONORS AND AWARDS

<ul style="list-style-type: none">Presented Bemrr product of Episodic Labs and raised a fund of \$70,000 at National Startup-incubator funding round.Best Research Paper Award, "ETCCS 2020" for "Unsupervised sentiment analysis with impact of reviewer's emotion out of 280 submissions.
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