

VEDANT PATEL

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EDUCATION	University at Buffalo, State University of New York , Buffalo, NY <i>Master of Science in Computer Science, GPA: 3.7/4.00</i>	Aug 2021-Feb 2023
	Institute of Technology, Nirma University – Ahmedabad, GJ, India <i>Bachelor of Technology in Information technology, CGPA: 7.73/10</i>	July 2016-Jun 2020
SKILLS	Programming Languages and Frameworks: Python, C/C++, Java, Flask, Node.js. Databases: MySQL, MongoDB. Libraries: NumPy, Pandas, Matplotlib, OpenCV, Keras, Tensorflow, SMOTE, scikit-learn, PyTorch. Tools and Technologies: Android Studio, Firebase, Tableau, Anaconda, Git, PintosOS, ArcGIS. Cloud/Virtualizations tools: Docker (Beginner), Amazon Web Services (Beginner). Web Technologies: CSS, HTML, JavaScript, XML. Soft Skills: Leadership, Teamwork, avid coder and creative learner.	
RELEVANT COURSES	Data Structures and Algorithms, Operating Systems, Software Engineering, Microservices and Programming, Machine Learning, Algorithms for Modern Compute Systems, Modern Networking Concept, NLP and Text Mining, Mathematical Foundation of Computer Science.	
INTERNSHIP EXPERIENCE	Sumay Infotech – Ahmedabad, Gujarat, India <i>Android Development Intern</i> <ul style="list-style-type: none">Developed a “Finance Management System” mobile application.The application was programmed in java.Delivered it on a global platform with the help of Firebase tool.	May 2019-July 2019
PROJECTS	Persona Based SocialBot , <i>(Skills: Python, NLP, Transfer Learning Approach)</i> <ul style="list-style-type: none">Created a personality and dialog history based SocialBot with the help of Transfer Learning approach.Improved a perplexity from 300 to 40 and comparatively better than other models.Achieved a fine-tuning with ‘OpenAI GPT’ model and was able to outperform other models.	Jan 2022- May 2022
	Multilevel Feedback Queue Scheduler , <i>(Skills: C, Multi-threading, Advance Scheduler, Memory Management)</i> <ul style="list-style-type: none">Implement an Advance Scheduler to balance threads’ different scheduling needsAs compared to other Schedulers, it reduces the average response time for running jobs on OS.	Nov 2021-Dec 2021
	Recommendation System , <i>(Skills: Python, Information Retrieval, Deep Learning)</i> <ul style="list-style-type: none">Built a recommendation System for fashion products using Convolution Neural Network (CNN).Performed Content Based Information Retrieval and computed similarity.Proposed a Deep Learning method with higher semantic quality and similarity between objects.	July 2020-Oct 2020
	Conversational AI (A Question-Answering Chatbot) , <i>(Skills: Deployment, web designing, Flask, Restful APIs development)</i> <ul style="list-style-type: none">A python Flask web-app based chatbot system answers user's questions from a text or a table instantlyCompare BERT, MemN2N and SEMPRE and implement one of them based on resource requirements.A project was aimed to create an end-to-end Conversational AI system with minimal resources.	Jan 2020-May 2020
	Text-To-Speech Application , <i>(Skills: Java, Swing, GUI)</i> <ul style="list-style-type: none">Devised a java-based Text to Speech application using swing for developing a user interface.Generate expressive and emotional voice using voice synthesis technology.	May 2018-July 2018
CERTIFICATIONS	<ul style="list-style-type: none">LinkedIn - MongoDB Essential Training.LinkedIn - AWS Essential Training for Developers.LinkedIn - Programming Foundations: APIs and Web Services.Coursera - End-To-End Machine Learning with Tensorflow on GCP (Google Cloud Platform).Coursera - Neural Network and Deep Learning.5 hours seminar on AWS Innovative Online Conference 2019.	