NIKITHA SHARLENE GANDHAM
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EDUCATION

University of Cincinnati, College of Engineering and Applied Sciences   **Fall 2023 – 2025**
Master of Science, Computer Science
- Looking to apply technical knowledge and experience in real time projects, software and its applications
- Area of Interest: AI, Deep Learning, Spatial Temporal Data Mining, Big Data, Programming

Vidya Jyothi Institute of Technology, India CGPA: 3.95/4   **2019-2023**
- Courses: Big Data, Data Warehousing and Data Mining, Data Algorithms and Analysis,
  Database Management and Systems, Artificial Intelligence, Java, C, Python, Web Technologies

EXPERIENCE & PROJECTS

Student Talent Program, Virtusa, India *Software Tester, Intern*   **January 2023 - June 2023**
PROJECT: DORMS DATA ANALYZER
- Developed with Jupyter notebook, the project finds the best accommodation for students in selected city
  by data classification of student's budget, food preferences and vicinity of the campus
- Created by fetching locational data, cleaning data via Pandas, gathering geolocational data from Rest API and
  K-Means clustering to cluster the desired end locations on map. The analyzer compares over 50+
  dorms centered on the 10mile radius of campus and hiked sales of in and out campus dorms by 35%

PROJECT: REAL ESTATE COST PREDICTER
- Built a website that computes gauge home prices in required location from given user data of room
  measurements by dimensionality reduction and feature engineering
- Architected with linear regression model, Python Flask serves http requests and html website is used to
  assemble user data to retrieve estimated home price with 100% outlier free data

Google Student Developer Club, VJIT, India *Technical Lead*   *July 2021- July 2022*
- Directed Android Study Jams, the only student-run study group for building Android Development Skills
  using Kotlin Programming Language by using curriculum provided by Google.
- Spearheaded "The Cloud Computing" program with 50+ DSCs across India and presented programs about
  Compute Engine and Big Query

She Coders, VJIT, India *Coding Representative*   *August 2019 - October 2020*
- Launched and mentored students to work on **Web Application Exploitation & Security** that employed
  code in Python to perform malware analysis to reduce security breaches on websites by 30%
- Mobilized "**Creating your first ML project**" online workshop where students gained technical insights
  about Machine Learning deployment and applications to create real world projects

RESEARCH & PUBLICATIONS
- Published paper on "Virtual Study Space" Page No: 4475-4480 in International Journal for Research in
  Applied Science and Engineering Technology. Developed a college website using HTML, JAVASCRIPT, Python
  to make virtual environments with effective study tools such as second brain, active recall and spaced
  repetition

SKILLS & CERTIFICATIONS
- Programming: C, Java, JavaScript, HTML, Selenium, Python (Jupyter and Numpy)
- Tools: Microsoft Office, Hadoop, Pig, MapReduce, SQL, Weka Software, Cloudera, MATLAB
- Certification of Appreciation as **Google Developer Student Club Core Team Member**
- Certificate of Merit and awarded cash price as **Winner in National Level Techno-Cultural Fest** VJIT, India
- Certification on Data Visualization and Analysis with Python by Cognitive IBM
- Certification on Database Management Systems (SQL) by Oracle Academy
- Certification in C by Spoken Tutorial by IIT Bombay