

THELMA MELISSA GOMES

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EDUCATION

Master of Science: Computer Science, University at Buffalo, The State University of New York, **Dec 2022**

Bachelor of Engineering: Computer Engineering, University of Mumbai, India, **May 2018**

WORK EXPERIENCE

Graduate Teaching Assistant, University at Buffalo: September 2022 – Present

- Corrected assignments, proctored midterms, prepared quizzes in 'Data Models and Query Languages' course.
- Mentored students on PostgreSQL through one-on-one communication, office hours and doubt-solving sessions.

Software Development Engineer Intern, GoDaddy: May 2022 – August 2022

- Developed and modified existing API endpoints in Front-Of-Site Shopping services team using C# and .NET.
- Implemented a library to enable warnings for products having outdated or updated information, increasing the efficiency of the service by 70% and providing additional help to internal end users.
- Demonstrated Scrum master responsibilities during Sprint planning, sizing, standup and retrospective meetings.
- Boosted future endeavors by updating relevant documentation for the services and new hire onboarding.

Technical Analyst, BNP Paribas India Solutions Pvt. Ltd, India: June 2018 – July 2021

- Scripted and engineered an important Audit Report extraction tool and its entire CFT workflow.
- Developed more than 20 Python and Shell scripts to automate day-to-day tasks and deliverables for Electronic Trading applications, increasing the team efficiency by **75-80%**.

Software Developer Intern, Laqshya Infosoft Solutions, India: Feb 2017 – May 2017

- Developed an online polling Android app with its User Interface design having a variety of question categories.
- Built graphical insights of the voting results of each poll for easy analysis and to enrich the application UX.
- The organization selected this project among the 50 projects, for its official publication on the Google Play store.

COMPUTER SCIENCE PROJECTS

Twitter - The COVID Effect: Python, Flask, HTML, CSS, JavaScript, Apache SOLR, AWS EC2, Bootstrap

- Developed a Search Engine producing COVID-19 related dynamic query results with political impact insights.
- Analyzed the results and classified them using Sentiment Analysis and semantics from a corpus of 80,000 multi-lingual tweets, indexed in Apache Solr using the BM25 model.

DaNce and Community Engagement Blockchain: Solidity, Smart Contracts, Node.js, Truffle, Ganache

- Created and designed Smart Contracts using Solidity Programming language in Ethereum Blockchain.
- Developed a frontend web interface for Dance enthusiasts like Students, Teachers, Studio owners and Renters to perform engaging business, using self-created DNCE (ERC-20 standard fungible) tokens .
- Engineered the backend integration using Node.js and npm and incorporated transaction management through the Metamask digital wallet. Executed thorough end-to-end testing using the Truffle and Ganache network.

SKILLS & TOOLS

Languages/ Frameworks: Python, Java, C#, Sql, Flask, .NET | **Operating Systems/ Servers:** Linux, Windows, IIS

Web Development: HTML, CSS, JavaScript, RESTful Web services

Blockchain Development: Solidity, Smart Contracts, Truffle, Ganache, Node.js, Metamask

Tools: Jenkins, AWS EC2, Git, Android Studio, Eclipse, Jupyter, JIRA, ServiceNow, Postman

Database Management: MySQL, PostgreSQL | **Technologies:** Apache SOLR, Akamai

Miscellaneous: JSON, XML, Twitter API, YouTube API, Android, FIX Connectivity Protocol, Agile, Scrum

AWARDS & LEADERSHIP

- Tools Innovation Award, for QnA Slackbot project 'IsItAnswered', GoDaddy, Intern Hackathon, 2022.
- 3rd Place, Inter-College Final Year Project competition, St. Francis Institute of Technology, India, 2018.
- Founder & Dance content creator, GomesSquad (YouTube channel).
- Member, AnitaB.org and Grace Hopper Celebration (GHC), in-person attendance, 2022.

PUBLICATION

'Interactive Print Media Using Augmented Reality', Springer, 2019

- Using Marker-less AR and a self-developed YouTube video ranking algorithm, it scans images from books and display relevant videos in augmented view. (https://link.springer.com/chapter/10.1007/978-981-13-3393-4_23)