Anagha Viswanath

SANTA CLARA, CALIFORNIA

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Education

Santa Clara University
MASTER OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING
Santa Clara, CA
Sept 2022 – June 2024
GPA : 3.4
Relevant Courses: Web Architecture, Algorithms, Database Systems, Data Mining, Artificial Intelligence

Nitte Meenakshi Institute of Technology
BACHELOR OF ENGINEERING IN INFORMATION SCIENCE & ENGINEERING
Bangalore, India
Aug 2016 - Aug 2020
CGPA : 8.84/10
Relevant Courses: Algorithms, Database Systems, Machine Learning, Unix, Web Development.

Experience

Wipro Technologies
SOFTWARE ENGINEER
Bangalore, India
Sept 2020 - Aug 2022

- Migrated on-premise data management from Microsoft Excel to Azure SQL database, also created SQL procedures to perform Excel formula calculations and store them into SQL Tabular data which improved data reliability to 90%.
- Scripted SQL procedures to perform Extract, Transform, and Load (ETL) operations on 100K employee data from SAP Hana for Wipro's crisis management team, improving data accuracy by 99%.
- Optimized SQL compliance procedures (up to 95%) and executed other Wipro Global Immigration Management Services-related tasks, resulting in an increase in efficiency by 75%.
- Delivered backend engineering support for Cisco's PaaS product by ensuring 80% test coverage of unit tests using Python, Robot Framework and Pytest.

Canbank Computer Service Ltd.
SOFTWARE ENGINEER INTERN
Bangalore, India
Jun 2019 - Jul 2019

- Developed a user-friendly web application to automate the Performance Bank Guarantee generation process, resulting in the elimination of the previous paper-based system.
- Utilized ASP.NET and Microsoft SQL Server to create a solution that improved the efficiency of the process by 50%.

Skills

Programming Languages	Python, Java, C, C++, PHP, Bash
Web Technologies	React.js, HTML, CSS, Bootstrap, JavaScript, JQuery, Flask, ASP.NET, PowerBI
DataBase	MySQL, PLSQL, Microsoft SQL Server, SAP HANA
Cloud Technologies	Amazon Web Services(AWS), Docker, Kubernetes
Libraries and Frameworks	Pandas, NumPy, Scikit-learn, Matplotlib, TensorFlow, Keras

Projects

Give4Good – *Google Auth, React.js, HTML/CSS, MySQL*   *Github*

- Developed a full-stack web application using HTML, CSS, JavaScript, React, Google Maps API, Python, Google Auth, and MySQL.
- Enabled users to locate and mark individuals on Google Maps, bridging the gap between NGOs and people in need.

SMART Shopping Cart - *Amazon EC2, ESP32, Flask, HTML/CSS, Javascript*   *Github*

- Developed an IoT based full-stack website using ESP32 and ESP32CAM module for barcode image scanning, enabling real-time product updates is user's cart on an Amazon EC2 hosted website.
- Programmed ESP32 with Arduino IDE and built website using Flask, HTML, CSS and Javascript-Ajax for seamless integration and efficient barcode processing.

Master Robot – *Oracle DB, PL/SQL, PHP*   *Github*

- Created a web application for online comic book store customers to order comics and movies.
- Designed and implemented the backend using Oracle database, PL/SQL procedures, and PHP with HTML and CSS for frontend.

Leukemia Detection – *Keras, Tensorflow, Python, Flask, Javascript*   *Github*

- Developed an image classification model using Keras with TensorFlow backend, capable of identifying Leukemia from white blood cell images.
- Constructed the UI with Python, Flask, HTML, CSS, and JavaScript.

Achievements

HackForHumanity - Participated in teams of 6 in Hackathon for Humanity 2023 conducted by SCU.   *DevPost*

ERCICA Publication - Published paper titled "Detection of Leukemia Using Convolutional Neural Network".   *Paper*