

# ANUSHA BHAVANAM

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**GHC2023**

## EDUCATION

- **George Mason University** Virginia, United States  
*Master of Science - Computer Science(ML Concentration); GPA: 3.57/4* *January 2022-December 2023\**
- **Narasaraopeta Engineering College** Narasaraopet, India  
*Bachelor of Technology - Computer Science; GPA: 3.55/4* *July 2017 - July 2021*

**Coursework: Machine Learning, Deep Learning, Artificial Intelligence, Analysis Of Algorithms, Software Engineering, Python Programming, Database Systems, Data Structures, Web Development, AWS**

## SKILLS

- **Technologies:** Machine Learning, Deep Learning, Cloud Computing(AWS)
- **Languages:** Python, SQL, HTML, CSS, JavaScript, C, Java
- **Frameworks:** Scikit, Streamlit, Pytorch, Flask, Angular, Bootstrap
- **Tools:** Power BI, Tableau, MySQL, Git, MS Excel, MS Power Point, MS Word
- **IDE:** Google Colab, Spyder, Pycharm, JupyterLab
- **Platforms:** Windows, AWS
- **Soft Skills:** Leadership, Team Player, Time Management

## EXPERIENCE

- **Infosys Ltd.** India  
*System Engineer Trainee* *September 2021 – December 2021*
  - **Big Data Training Program:** Received focused training in the Big Data domain, gaining insights into data processing and analytics.

## PROJECTS

- **Campus Feedback Hub: (Angular, JavaScript, Spring Boot, JPA, RESTful Web Services, MYSQL)**
  - Implementation of a full-stack application using Angular 2+ for the frontend and Spring Boot with RESTful Web Services, JDBC, or JPA for the backend.
  - Creation of a student survey form with required fields.
  - Enablement of RESTful calls to store survey data in a database using JDBC or JPA on the backend.
  - Implementation of a "List All Surveys" feature for users to view all recorded surveys up to the current date.
- **EcoBin Analytics: (Flask, Python, CNN, Tableau, Pytorch, HTML)**
  - A Flask-powered solution employing Python, CNN with PyTorch. Achieved 92% accuracy in distinguishing recyclable and organic waste.
  - Intuitive interface for seamless image uploads and instant waste categorization, fostering sustainable waste management behaviors.
  - Seamlessly integrated Tableau for user-friendly data visualization, showcasing waste classification trends.
- **Facial Emotion Recognition using YOLO and CNN : (Python, CNN, Scikit, Pytorch, Computer Vision)**
  - Utilized YOLO and CNN models for precise emotion recognition from facial images. Process involved dataset handling, YOLO face detection, CNN emotion classification, and data augmentation.
  - Implemented in Python with Scikit-learn, PyTorch. Incorporated Semi Supervised GAN to tackle limited data. Graphs visualized model performance effectively.
  - Merged YOLO, CNN, data augmentation, and GAN for robust emotion recognition, showcasing innovative application of computer vision.
- **RideEstimate NYC: (Streamlit, Python, Regression, ML, scikit, folium, seaborn)**
  - Developed a user-centric Streamlit web application to forecast New York taxi fares by implementing advanced Ridge and Lasso regression methodologies. Incorporated data preprocessing and enriched visualization through Folium and Seaborn.
  - Leveraged Python and its comprehensive data science libraries to craft an interactive and accessible platform for accurate taxi fare predictions.
- **RecallRush: (HTML, CSS, JavaScript)**
  - Developed a memory game using HTML, CSS, and JavaScript. Designed UI, animations, and game logic.
  - Created a memory game from scratch, implementing card mechanics and randomization for an engaging user experience.

## CERTIFICATIONS AND AWARDS

- Front-End and Full-Stack Web Developer - Udacity
- Microsoft Technology Associate - Introduction to Programming using HTML and CSS
- Programming in JAVA (Elite Silver Medal) - NPTEL, IIT Kharagpur
- Discrete Mathematics (Elite) - NPTEL, IIT Madras
- Python for Everybody Specialization (5 Courses) - Coursera
- Introduction to Machine Learning - NPTEL, IIT Madras
- AI for Everyone and Introduction to Web Development - Coursera

For a comprehensive view of my certifications and project work, please visit my [Portfolio](#).