

ANUSHA AVULAPATI

Stony brook, New York

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Education

Stony Brook University

Master of Science in Computer Science

August 2023 – Present

Stony Brook, New York

Vellore Institute of Technology

Bachelor of Technology in Computer Science

CGPA - 9.1/10

July 2017 – June 2021

Vellore, India

Coursework: Computer Algorithms, Data Structures, DBMS, Web Development, Software Engineering, Distributed Systems.

Experience

Shell India Private Limited

Software Engineer

October 2021 – August 2023

Bangalore, India

- Developed MERN stack web application which converts data to hierarchy format and enables users to create own custom hierarchies and perform all CRUD operations.
- Liaised with backend developers, front end developers, quality assurance testers as needed.
- Managed time-sensitive updates, including content changes and database upgrades.
- Planned, written and debugged web application and software with complete accuracy.
- Main Contributor in developing the core part of the application(automatic XSLT creation).
- Designed and developed a new UI layout for the application for better visualization.

Sailotech Private Limited

Data Analyst Intern

May 2019 – June 2019

Hyderabad, India

- Worked on Data Analytics topic Customer Segmentation using RFM Analysis.
- Dataset consists of details of Customers purchase in online retail. These Customers are segmented into various groups like Best Customers, Loyal Customers, Lost Customers etc based on their purchase details for better marketing.
- Produced reports and presentation using QlikSense software.

Projects

Smart Agriculture and Veterinary System

- Designed and developed website for farmers which recommends seeds and fertilizers to be used for a particular season.
- Farmers can buy seeds, fertilizers and medicine for animals using this website
- Suggests the nearest Veterinary hospital based on current location. Developed using HTML, CSS, JavaScript, PHP and MYSQL.

Crop Price Predictions using Deep Learning Techniques

- Developed an application where farmers can predict the price of any crop at a particular time.
- Used Deep Learning Techniques like Functional Link Neural Network, Whale Optimization Algorithm, Harris Hawks Optimization Algorithm, Particle Swarm Optimization Algorithm to predict the prices and achieved accuracy of 89%.

Image Retrieval using Multitexton Histograms

- Developed an application that retrieves the top 3 closest images of the given image present in the dataset.
- Multitexton Histograms are used to find the similarities between the pixels of images.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Technical Skills

Programming: Java, Python, JavaScript, TypeScript

Web Technologies: ReactJS, NodeJS, HTML5, CSS, Bootstrap, Rest API

Databases: MySQL, Mongo DB

Tools & Frameworks: GIT, Azure Devops

Professional Enhancements / Leadership

- **Published** "IoT Embedded Sensor based Cloud Agent System for Sudden Infant Death Syndrome Monitoring and Analysis using Machine Learning" in *International Journal of Engineering Research & Technology (IJERT)*, Vol. 10 Issue 08, August-2021
- Secured **1st place** in a hackathon conducted by Fandrum in VIT.
- **Annual Scholarship** of INR 50,000 from VIT for meritorious performance in the VITEEE examination
- General Secretary of VIT LEO Club - an NGO, mentored a team of 100 members for organizing various events.
- Coordinator in Publicity and Marketing Team of Riviera - lead a team of 150 members and publicized the event in various universities all over India.