DURGA KARTHIK YANDRAPU

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EDUCATION

B. Tech — **Computer Science and Engineering**
Sagi Rama Krishnam Raju Engineering College
CGPA: 8.92 (currently)
Expected Graduation: April 2025
Bhimavaram, Andhra Pradesh

Intermediate — **Board of Intermediate, Andhra Pradesh**
Sri Chaitanya Junior College
Percentage: 86.3%
Year: 2021
Kovvur, Andhra Pradesh

Class – X — **Central Board of Secondary Education**
Montridge International School
Percentage: 82.6%
Year: 2019
Hyderabad, Telangana

WORK EXPERIENCE

Jul-Sep 2023 — **Data Structures and Algorithms Intern**
Henotic IT Solutions PVT LTD
Remote

Developed a java - based console application utilizing data structures such as linked lists, Stacks. Gained valuable experience in data structures and algorithm implementation during the internship.

May-Jul 2023 — **Data Analytics Virtual Intern**
AICTE - EduSkills
AWS academy

Completed an internship in data analytics, with a focus on AWS. During this internship, I gained hands - on experience in utilizing AWS tools and services, including Amazon S3, Athena for data processing, storage and analysis.

Jun-Jul 2023 — **Front End Development Intern**
AICTE – Edunet Foundation
IBM SkillsBuild

Developed a Flipkart clone, an e-commerce website, as part of the internship program. Implemented responsive and user-friendly web pages using HTML, CSS, and JavaScript.

TECHNICAL SKILLS

- **Programming Languages:** Java, C, Python, R
- **Web Development:** HTML, CSS, JavaScript
- **Mobile App Development:** Flutter, Android Studio
- **Database:** MySQL
- **Libraries:** NumPy, Pandas, Matplotlib
- **Visualization Tools:** Tableau

ACHIEVEMENTS

- Participated in a 24-hour Smart India Internal Hackathon 2023, and received the **Best Implementation Team** award.
- Pursing an Honors degree in Data Science.
- Received a 5-star gold badge in SQL on the HackerRank platform for competitive programming

PROJECTS

Project: TourEase – Real-Time Vehicle Tracking App
Smart India Hackathon 2023 (SIH1382)
Flutter | Google Cloud | Firebase | MAPS API

- Developed a user-friendly native app that provides real-time bus tracking with ETA using Google Maps API and K - Means Clustering.
- Utilized Geospatial data analysis and visualization techniques to determine the proximity to various locations incorporating GeoPandas, Shapely and the Google Places API.
- Implemented the following features: tourist recommendations, emission compliance information, fuel type details, alerts, nearby bus information, SOS service and feedback services.

Project: Kisanse – Web Application facilitating connectivity between Farmers and Consumers
PHP7 | HTML | CSS | JavaScript | XAMPP

- Developed a web application to bridge the gap between farmers and consumers, enabling farmers to sell their products directly to consumers and eliminate intermediaries.
- Designed a user-friendly interface using HTML, CSS, JavaScript and Implemented seamless back-end development with PHP and XAMPP server to ensure efficient data processing.
- Successfully Integrated the website with Razorpay for seamless payment processing.

Project: Bus Ticket Booking System
Data Structures & Algorithms | Java

- Developed a Java - based console application for streamlining bus ticket booking for users and bus management for admins.
- Employed advanced Data Structures such as Linked lists, HashMap and Stacks to optimize data handling and retrieval.

CERTIFICATIONS

- Certified in **Data Science for Engineers** from NPTEL with ELITE Certificate.
- Certified in **Software Developer Associate** from Skill India - PMKVY 4.0
- Certification of AWS Academy Cloud and Data Analytics

CO-CURRICULAR ACTIVITIES

- Engaged as an active member of Indian Society for Technical Education (ISTE) Student chapter.
- Actively participates in programming contests, hackathons, and technical workshops organized by student clubs.

LANGUAGES

English, Telugu, Hindi