

Education

Vellore Institute of Technology University

B.Tech, Department of Computer Science and Engineering

September 2022 – Ongoing

CGPA: 8.15

Technical Skills

Languages: Python, C++, HTML/CSS, Javascript, SQL

Core Concepts: Data Structures Algorithms, OOPS, Cloud Computing, DevOps

Developer Tools: Git, GitHub, Databases (SQL), Cloud (AWS)

Experience

Data Management Intern

October 2024 – December 2024

Zimble One Private Limited

Delhi, India

- Orchestrated data management and processing within AWS environments during a 2-month intensive internship focused on Cloud and Data Management.
- Leveraged Amazon cloud services (S3, EC2) to deploy and manage scalable applications, acquiring hands-on experience in cloud infrastructure.
- Collaborated with a team to manage company data, ensuring accuracy, integrity, and accessibility for business operations.
- Gained hands-on experience in cloud-based data management using AWS services while working on real organizational data.

Projects

Sugarcane Yield ML Project | *Python, Pandas, NumPy, Streamlit*

 **GitHub**

- Optimized a Random Forest Regressor model achieving 85% accuracy in forecasting sugarcane yield.
- Analyzed and processed a dataset containing over 100 records with 7 features to identify key growth determinants.
- Engineered an interactive web application using Streamlit to present data-driven yield insights, enabling farmers and policymakers to make informed decisions.
- Applied machine learning concepts to real-world agricultural data, improving understanding of data preprocessing, feature importance, and model evaluation.

Mental HealthMate Website | *HTML, CSS, JavaScript, Python, Scikit-learn*

 **GitHub**

- Architected a full-stack, responsive mental health platform providing 20+ users access to verified mental health resources and expert consultations.
- Enhanced user engagement by 30% through designing and implementing essential front-end pages with an interactive chatbot and appointment scheduling system.
- Integrated real-time chatbot for FAQs and support, reducing response time for user queries by 30%.
- Implemented secure appointment scheduling and reminders, increasing session attendance rates by 20%.

PG Life Website | *HTML, CSS, JavaScript, Python, PHP, MySQL*

 **GitHub**

- Engineered a full-stack accommodation website, launching with a database containing over 20 PGs across 4 major cities.
- Established secure, role-based access control, enabling users to register, log in, and browse personalized listings.
- Developed 4+ customizable filters (city, rent price, etc.) that enhanced search precision and streamlined user experience.
- Implemented dynamic data fetching from the backend to display PG listings, strengthening database integration skills.

Achievements

- Completed the Ultimate AWS Certified Cloud Practitioner (CLF-C02) course on Udemy, building a strong understanding of AWS core services, security, and pricing models.
- Achieved 86% in the final assessment for an 8-week online training on Web Development with AI from Internshala.
- Successfully completed Google's "The Bits and Bytes of Computer Networking" course on Coursera.
- Accomplished 'Python Fundamentals for Beginners' certification from Great Learning Academy.

Languages

Hindi: Native

English: Professional Proficiency

Japanese: Beginner