

Smriti Sugur

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EDUCATION

PES University, Bengaluru, Karnataka

Bachelor of Technology in Computer Science Engineering

- **CGPA:** 8.33

RELEVANT COURSEWORK

- Python, Problem Solving with C, Data Structures and its Applications, Design and Analysis of Algorithms, Operating Systems, Web Technologies, Statistics for Data Science, Data Analytics, Machine Intelligence, Big Data, Computer Networks, Software Engineering, Compiler Design, Cloud Computing, Object Oriented Analysis and Design using Java, Database Technologies

WORK & LEADERSHIP EXPERIENCE

Modenik Lifestyle Pvt Ltd, Bengaluru, Karnataka

Data analytics Intern, 1-08-2023 – 14-09-2023

- Leveraged Polynomial Regression to forecast future sales using Python
- Achieved 95% accuracy in predicting sales for the next 3 months
- The model enabled data-driven decision making for business planning and strategy

Cisco thingQbator, Bengaluru, Karnataka

Learning Track & Product Track 25-03-2022 – 25-04-2023

- Designed and prototyped a web application using Flutter to connect NGOs with potential volunteers, fostering a collaborative ecosystem of support and empowering individuals to make a positive impact through volunteering.

AIESEC, Bengaluru, Karnataka

Team Member 13-08-2023 – 15-12-2023

- A part of the 'Incoming Global Talent' team at the non profit organization.

PROJECTS

YADFS - Yet Another Distributed File System

- Designed and implemented a scalable and fault-tolerant distributed file system, utilizing data nodes for data storage and name nodes for metadata management.
- Employed replication techniques to ensure data availability and implemented robust mechanisms to handle data node failures.
- Developed user-friendly interfaces for seamless interaction with the distributed file system.

Migrating a monolithic e-commerce application to a microservices architecture

- Migrated a monolithic e-commerce application to microservices architecture using Flask, MongoDB, and React. Developed standalone microservices for user management, product management, cart, and payment gateway, and implemented RESTful APIs for inter-service communication.
- Containerized and deployed microservices with Docker and Kubernetes. Created Dockerfiles, built and tested images, configured Kubernetes YAML files, used nodePort for external access, and managed sensitive data with secret.yaml.

Evaluating Integrity of Campaigns on Donation-Based Crowdfunding Platforms (Ongoing)

- Currently engaged in developing an innovative system to measure the integrity of fundraising initiatives in order to reinforce the trust of potential donors, using a combination of analytical techniques and machine learning to assess this integrity.

Smart Parking System

- Designed and implemented a smart parking system utilizing RFID scanners, proximity sensors, and car counting sensors to efficiently manage parking availability and guide drivers to open parking spaces
- Demonstrated proficiency in Arduino programming and hardware interfacing to create a robust and scalable parking management solution

Real-time and Batch Processing Implementation

- Implemented real-time data streaming with Apache Spark Streaming, Spark SQL, and Apache Kafka.
- Developed producer/consumer mechanisms with multiple Kafka topics, used Zookeeper, and stored processed data in PostgreSQL for batch processing. Examples included counting tweets, grouping by hashtags, and applying aggregate functions.
- Conducted batch processing and comparative analysis.
- Ran identical queries in batch mode on datasets from SQL, evaluated results for accuracy and performance between streaming and batch modes, and documented the entire process with detailed code, input/output snapshots, and professional reporting.

TECHNICAL SKILLS

Languages: Python, C,C++, R,Jana

Frameworks: Tensorflow, PyTorch, Hadoop, Apache Spark

Development: HTML, CSS, Javascript

Tools: Linux/Unix OS

CERTIFICATIONS & AWARDS

- Summer course on Object Oriented Programming through C++
- Earned Distinction awards for 6 semesters for excellent academic performance
- Finalist, DevelopForHer Ideathon hosted by ACM-W PESU
 - The idea proposed was to develop a user-friendly web application, Atvi, to bridge the gap between the government rural women in India since rural women are unaware of the schemes propose for their betterment