Pavan Kumar Nuthi

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Education

PES University **December 2020 – June 2024**
Bachelor of technology in Computer Science and Engineering; ***CGPA: 9.43 / 10.0*** *Bengaluru, India*

Narayana PU College **2018 – 2020**
11th and 12th grade, Physics, Chemistry, Maths and Computer Science. ***12th Percentage 90%*** *Bengaluru, India*

Narayana School **2018**
Grade X, CBSE Board. ***88.8%*** *Bengaluru, India*

Technical Skills

Languages: C++, C, Python , Java, JavaScript, TypeScript, Arduino, Perl
Frameworks/Libraries: React, Node.js, Pandas, Numpy, Matplotlib, Docker, Springboot, Streamlit, Socket, Kubernetes, AWS
Databases: SQL, MongoDB, Neo4J
Developer Tools: VS Code
Technologies: Linux, Git ,Kafka, Spark

Experience

Sprinklr **January 2024 – June 2024**
Devops Intern *Bengaluru, India*

- I was involved in the development and establishment of disaster recovery setups for production environments.
- Created scripts for automating the setup of environments.

PES University **August 2023 – December 2023**
Teaching Assistant-DBMS Course(UE21CS351A) *Bengaluru, India*

- Created materials for courses and developed course assignments.

Selected Projects

Mini Kafka | *Python,Socket*

* Facilitating communication through Socket Programming for message transmission between producers and brokers.
* In this devised implementation, topics serve as meticulously organized directories, while partitions are thoughtfully structured as subdirectories nested within. Within these partitions, messages generated by producers are stored as individual text files, ensuring an organized and efficient storage mechanism.
* The data is served from files stored within topics from the file system, and users can conveniently subscribe to multiple topics.

Real Time Crypto Currency Application | *Spark,Kafka,Node.js,Typescript,Tailwind css*

* We establish a connection with the Coinbase API to get real-time insights into cryptocurrency prices like Bitcoin, Dogecoin, and Litecoin.
* We use the Spark framework for real-time analysis of this data stream, channeling it into a SQL database for future batch processing.
* The processed dataset is then sent to a node.js-based server with Kafka integration. This process results in data delivery to a frontend interface created with TypeScript. This interface simplifies raw data into graphical representations for users to understand the data better.

Publication

- Research paper for a novel video summarisation presented at IEEE IATMSI 2024 conference.

Achievements

Bugs and Bytes Hackathon 2022 **15th October 2022**
Country Level Hackathon *PES University*

* Placed third in the hackathon.
* Sponsored by Risckcovry