VALLURU UDAY KIRAN

📞 +91-9704271846 ✉️ udayvalluru2003@gmail.com in https://www.linkedin.com/in/valluru-uday-kiran-204190203/ ○ https://github.com/udaykiran-2003

Education

Indian Institute of Information Technology Kottayam, Kerala **Dec. 2020 – Apr 2024**
Bachelor Of Technology in Computer Science Engineering— CGPA: 8.02 *Kottayam, Kerala*

Sri Chaithanya Junior College **Feb. 2018 – Mar 2020**
Board of Intermediate Education-Grade: 9.6 *Vijayawada, Andhra Pradesh*

Experience

UST Global
Developer-1 Software Engineer *Trivandrum*
- Developed end-to-end ETL workflows for processing large datasets, including data extraction, transformation, and loading using Azure Data Factory.
- Developed expertise in data transformations using PySpark DataFrames, big data processing with Hadoop, and real-time analytics in Databricks.
- Built and managed end-to-end data pipelines using Azure Data Factory, integrating various data sources for seamless data flow.
- Gained hands-on experience with cloud storage solutions, database management in SQL and NoSQL environments.

Def Hacks Worldwide 3.0
Individual Participant and Winner *Remote*
- Developed a web application which as a critical resource for the Indian population during the COVID-19 pandemic. It aims to give access to health services and information to help individuals navigate the challenges posed by the virus.
- Developed the website in such a way that it is offering emergency assistance features such as helplines or the ability to request medical assistance when needed.

Projects

Credit Card Approval Analysis | *Azure Storage, Databricks, SQL, PySpark, Azure Data Factory*
- Developed a comprehensive data pipeline using Azure Data Factory for data ingestion, integrating multiple data sources including HTTPS, Blob and SQL Database.
- Implemented PySpark in Databricks for data transformation, ensuring high-quality and usable datasets for analysis.
- Created SQL-based materialized views in Databricks Notebook to optimize querying and enhance data accessibility for reporting.
- Designed and deployed interactive dashboards in Databricks to visualize key metrics and insights, facilitating data-driven decision-making.

Firebase Social Media Project | *HTML, CSS, React.js, Firebase Authentication, Firestore integration*
- Full-stack web application using React.js and Firebase, providing users with a platform to create and share posts. The application includes authentication functionality, allowing users to sign in securely using their Google accounts.
- Upon signing in, users can create new posts with titles and descriptions, which are stored in a Firebase Firestore database. Additionally, users can browse existing posts created by other users.

Crypto Price Website | *HTML, React.js, CSS, Axios, JSX, CoinGecko API*
- Crypto Price App is a web application providing real-time data on over 100 cryptocurrencies sourced from the CoinGecko API.
- The application fetches data from the CoinGecko API to display a list of cryptocurrencies along with their names, current prices in USD, symbols, and market capitalization ranks.
- Users can also search for specific cryptocurrencies using a search input field.

Skills

Programming Languages: Python, SQL, Java Script, HTML
Big Data Tools: PySpark, ADF, Databricks, Hadoop MapReduce
Cloud Technologies: Azure Data Factory, Azure Synapse Analytics, Cosmos DB, Azure Blob Storage, Azure Data Lake
Frameworks: PySpark, Bootstrap, React.JS, Node.JS, CSS
Database Technologies: SQL Server, Google Firestore
Tools: VS Code, Pycharm, GitHub

Achievements

- Individual Participant and Winner in Def Hacks Worldwide 3.0 Global Hackathon.
- Played an integral role as an organizer and event coordinator for various coding events within the coding club.
- Achieved Python NPTEL Certification.