

VISHNUGUPTHAA RAMIDI

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SKILLS

Languages: Java, C, C++, Python, Scala TypeScript, SQL, CSS, HTML, JavaScript, Hadoop, Hive, Apache Spark, MySQL, PostgreSQL, Pandas

Tools / Technologies: Git, Docker, Google Cloud Platform, Maven/Gradle, AWS CloudFront, JUnit, Bootstrap, Django, Spring Boot, Algorithm Design, AI/ML, Agile, Linux, Database Management

EDUCATION

California State University Dominguez Hills

Carson, CA, USA

Master of Science in Computer Science Engineering

May 2024

Keshav Memorial Institute of Technology

Hyderabad, India

Bachelor of Technology in Computer Science Engineering

Jun 2021

EXPERIENCE

Associate Developer

Jun 2020 – Aug 2021

Tata Consultancy Services - Building on Belief

Bengaluru, India

- Developed **scalable applications** in Scala, enhancing system performance and **user experience**, and boosted **customer satisfaction by 10%** with a custom Scala and Apache Spark data analysis tool.
- Ensured system **reliability** by promptly addressing and resolving technical issues, and optimized application efficiency, achieving a **25% performance increase**.
- Upheld **code integrity** via rigorous review processes, advanced project milestones within **Agile frameworks**, and received the "**Star Performer**" award for exceptional team contributions.

PROJECTS

Cancer-Type-Prediction-and-Exploration-of-TCGA-Data

- Conducted **exploratory data analysis (EDA)** on a dataset of over **10,000 entries**, utilizing Python libraries such as **pandas**, **numpy**, **matplotlib**, and **seaborn**.
- Refined and cleaned data by systematically removing non-essential columns, **addressing missing entries**, and converting categorical variables; boosted machine learning model **performance by 18% and expedited analysis by 20%**.
- Created **30+ visualizations** including pie charts and heatmaps to illustrate class distributions and feature correlations, and implemented **PCA** and **K-means clustering** for dimensionality reduction and pattern recognition using **scikit-learn**.
- Demonstrated proficiency in **Python**, **Jupyter Notebooks**, and key data science libraries, thoroughly documenting processes and findings in a **50-page report**.

Housing Financial Society Management System

- Designed a **web-based management system** for Virtusa, integrating **JSP**, **Bootstrap 4**, **CSS**, **JavaScript**, and **SQL** with **XAMPP** as the local server, serving over **500 residents**.
- Enabled **online bill viewing and printing**, resulting in a **20% increase** in financial transparency and accessibility.
- Enhanced **transaction security** and **data integrity** by implementing a **Maker-Checker protocol**, reducing error rates by **15%**.

Paperless Office Initiative

- Launched a **Paperless Office Initiative**, reducing paper consumption by over **70%** and promoting **environmental sustainability**.
- Crafted a **web-based document management system**, leading to a **30% reduction** in document retrieval time and a **50% decrease** in physical storage requirements.
- Incorporated **ciphering encryption and decryption** for paperless signatures, enhancing document **security** and **integrity** during approval processes.

CERTIFICATIONS

Certified Spark Developer, Introduction to AI, Data Science Specialization, Practical Machine Learning using TensorFlow