



Kundanapreethi Surepally

Analyst, Strategy and Transformation

M.S. in Computer Science from University of Houston
- Clear Lake, Houston, TX

Portfolio:-

<https://kundanapreethisurepally.github.io/KundanapreethiPortfolio.github.io/>

CONTACT

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📍 Houston, TX

EDUCATION

2023-Pursuing
M.S. in Computer Science from
University of Houston - Clear Lake,
Houston, TX

2021
B.Tech. Computer Science and
Engineering from Geethanjali
Institute of Technology

SKILLS

- Interpersonal Skills
- Data Analysis
- IT Operations
- Management
- Project Management
- Banking
- Entrepreneurship
- Computer Networking
- User Stories
- Customer Service
- Statistics
- Troubleshooting
- Information Technology
- Algorithms
- Computer Vision
- Deep Learning
- Machine Learning
- Hadoop
- Computer Architecture
- Infrastructure
- Linux Commands
- System integration, validation

PROFILE

Dedicated Analyst in the Department of Strategy and Transformation at the University of Houston since July 2023. Specialized in extracting and analyzing data to guide strategic decision-making. Proficient in MS Excel, Power BI, Spider, and Miro, contributing to the development of transformative plans aligned with university objectives. Facilitates cross-functional collaboration, manages projects, and creates compelling reports. Adept at training teams in data analysis tools. Committed to continuous improvement and knowledge sharing for enhanced analytical capabilities within the department.

EXPERIENCE

Analyst, Department: Strategy and Transformation

University of Houston, Houston, TX | July 2023 - Till Present

Roles & Responsibilities

- Lead the extraction and analysis of relevant data to inform strategic decision-making for the University of Houston.
- Utilize advanced MS Excel, Power BI, Spider, and Miro to gather insights and trends.
- Collaborate with key stakeholders to formulate strategic plans for the university's growth and transformation.
- Contribute to the development of long-term and short-term strategic goals.
- Develop comprehensive transformation plans based on data analysis, aligning them with the university's strategic objectives.
- Implement strategies to improve operational efficiency and effectiveness.
- Showcase proficiency in utilizing tools such as MS Excel, Power BI, Spider, and Miro for strategic planning and innovation.
- Work closely with various departments and teams to gather insights and ensure alignment of strategies with organizational goals.
- Facilitate cross-functional collaboration for effective strategy execution.
- Create visually compelling reports and presentations to communicate complex data-driven insights to non-technical stakeholders.

- Utilize Miro – The Visual Workspace for Innovation to foster creativity and facilitate collaborative ideation sessions.
- Manage projects related to strategy and transformation, ensuring timely completion and adherence to established goals.
- Identify opportunities for process improvement and efficiency gains through ongoing analysis and feedback.
- Provide training sessions to team members on the use of data analysis tools and best practices.
- Actively participate in knowledge-sharing initiatives to enhance the overall analytical capabilities of the department.

Intern- Data Science for Energy Transition

University of Houston – Main Campus, Houston, TX | June 2023 – July 2023

Roles & Responsibilities

- Engaged in the exploration of cutting-edge Data Science applications for the Energy Transition domain.
- Utilized Orange Tool for efficient data mining processes, extracting valuable insights and patterns from large datasets.
- Developed visually appealing and insightful data visualizations using R, Tableau, RStudio, and the tidyverse package to communicate complex findings effectively.
- Actively participated in the Kaggle Competition on No Code Analytics, showcasing problem-solving skills and analytical prowess.
- Contributed to ongoing research initiatives related to the application of Data Science in the field of Energy Transition.
- Worked collaboratively with a diverse team of professionals, exchanging ideas and contributing to the overall success of projects.
- Conducted in-depth data analysis to extract meaningful insights and patterns, aiding in informed decision-making.
- Stayed updated on the latest trends and technologies in Data Science, consistently enhancing skill set to remain at the forefront of the field.
- Documented methodologies, findings, and insights, ensuring the transparency and replicability of analytical processes.
- Communicated complex technical concepts and findings to both technical and non-technical stakeholders, facilitating a clear understanding of data-driven insights.

QA Test Automation Engineer

Tata Consultancy Services, Hyderabad, Telangana, India | July 2021 – August 2022

Client: Citi Bank U.S.A.

Roles & Responsibilities

- Developed comprehensive test plans outlining testing approach, scope, resources, and schedule.
- Conducted functional and regression testing on various applications to ensure software quality.
- Wrote and maintained automation test scripts using Selenium-Java Framework for efficient and effective test execution.
- Implemented and practiced Behavior-Driven Development (BDD) using Cucumber to enhance collaboration between development and QA teams.
- Conducted API testing using Postman to verify the functionality, reliability, performance, and security of web services
- Identified, documented, and tracked software defects using a systematic and organized approach.
- Collaborated with cross-functional teams, including developers and product managers, to understand requirements and ensure comprehensive test coverage.

- Prepared detailed test exit reports, summarizing test results, and monthly output reports (MOR) to communicate testing progress and findings.
- Actively participated in continuous improvement initiatives by providing feedback on processes, tools, and methodologies.
- Conducted knowledge-sharing sessions to disseminate best practices and enhance the overall skill set of the QA team.

PROJECTS

Unveiling the Impact of AI, Small Business, and Globalization on Decent Work and Economic Conditions:-

- Objective: To use Hadoop capabilities for processing the data and analyze the impact of data from different sectors on economy.
- Technology Used: Hadoop, Map Reduce, Python

Plant Leaf Abnormality Detection and Classification:-

- Objective: Identify and classify plant leaf diseases using Convolutional Neural Network (CNN).
- Technology Used: CNN, image processing.

Smart Irrigation/Farm Monitoring System:-

- Objective: Monitor farms and optimize irrigation using technological solutions.
- Technology Used: IoT, sensors, data analytics.

Fresh Product E-Mart:-

- Objective: Develop an online shopping website for fresh products.
- Technology Used: AngularJS, MySQL Database.

Distributed Message Relay System:-

- Objective: Create a TCP iterative client-server application for message relay.
- Technology Used: Java, socket interface.

Distributed Software for Spark Radio:

- Objective: Manage a radio application using Java, Tuple Space, and RMI Registry.
- Technology Used: Java, Tuple Space, RMI Registry.

TECHNICAL SKILLS

- Languages: C, JavaScript (ES6), Java, R, Python , HTML, CSS
- Frameworks: Selenium
- Database: MongoDB, MySQL
- Tools: Eclipse IDE, Postman, Agile Resource Designer, HP-ALM, JIRA, MS Excel, MS Word, MS Power Point, VS Code, GitHub, Cucumber Plugin for Eclipse
- Concept: Front End Dev, RDBMS, Object Oriented Programming, Advanced Operating Systems, data structures, computer science, compliance, design, design patterns, development, scrum, data engineer, Data warehouse
- Soft Skills: Communication Skills
- Cloud: Microsoft Azure

I do hereby declare that the particulars of information and facts stated here in above are true, correct and complete to the best of my knowledge and belief.

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