Sandana S

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🔗 Portfolio

PROFESSIONAL EXPERIENCE

Data Engineer Intern   Dec 2024 – present | Ernakulam, India
Quadtri Technologies Pvt Ltd
- Maintained disciplined work practices while collaborating with cross-functional teams to ensure project continuity and timely delivery.
- Responsible for executing and refining data preprocessing steps, including annotations, required for upcoming projects.
- Organized and streamlined team activities, fostering a collaborative environment to enhance overall workflow and communication.

PROJECTS

Chatbot creation- Rasa framework(NLP) 🖉
Jul 2024
- Developed an intelligent chatbot for Luminar Technolab using the Rasa framework to enhance user interaction and engagement.
- Automated responses for queries about course details, locations, and contact information, reducing manual effort.
- Improved support processes by cutting response times and increasing user satisfaction.

Advanced Dog Breed Image Classification with MobileNetV2 Transfer Learning 🖉
Jun 2024
- Executed a dog breed classification model using transfer learning with MobileNetV2, achieving an accuracy of 83.44% and a validation accuracy of 82.5%.

HR Analytics Classification- Machine Learning 🖉
Jun 2024
- Developed an Employee Promotion Prediction model to enhance accuracy and streamline manual assessment.
- Improved HR operations by refining decision-making processes and talent management.
- Applied algorithms like KNeighborsClassifier, SVC, Naive Bayes, Random Forest, and Decision Tree, achieving 90.5% accuracy with KNeighborsClassifier.

Agricultural Crop yield of India States- PowerBI 🖉
- Completed an in-depth report on agricultural crop analysis across Indian states, providing valuable insights for informed decision-making.

IPL (2024) Analysis using Power BI 🖉
- Developed an interactive IPL 2024 dashboard, delivering actionable insights and comprehensive data visualizations for enhanced analysis.

COURSES & CERTIFICATIONS

Bigdata Analytics-Data science 🖉
Luminar Technolab
Sep 2023 – Jun 2024 | Ernakulam

Business Correspondent and Facilitator (NSDC) 🖉
EduBridge Learning Pvt Ltd

SKILLS

Business analytics tool: Power BI, Microsoft Excel, Dashboard Creation, Reporting

Exploratory Data Analysis (EDA): NumPy, Pandas, Seaborn, Matplotlib ,Data analysis,Data cleaning, Data organisation,Data Modeling,

Databases: SQL, Sqoop, Hive

Programming Language: Python

Bigdata: Hadoop, Pig, Spark

Natural Language Processing: Techniques and Applications

Deep Learning: Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN)

Chatbot - Rasa framework: Flask,HTML,CSS

Soft skill: Adaptability, Stakeholder Communication, Documentation, Insightful Storytelling, Research skills

INTERNSHIP

Data science intern at Luminar technohub
Jun 2024 – Dec 2024 | Ernakulam

IBM-Data Analytics Internship
Jun 2024 – Aug 2024
Completed a 6-week IBM SkillsBuild Summer Internship Program with CSRBOX, gaining valuable skills in data analytics.

Data Science Intern at Luminar Technolab
Sep 2023 – Jun 2024 | Ernakulam

EDUCATION

BSc Physics under University of Kerala
Sree Narayana College for Womens
Jul 2018 – Mar 2021 | Kollam
Completed Bachelor of Science with distinction from the University of Kerala in 2021, achieving an A grade.

Higher Secondary Education
Board of Higher Secondary Education
Jun 2016 – Mar 2018 | Kollam,Kerala
Completed Higher secondary education with 95% marks.