

NAYANA MANOHARAN

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SKILLS	<ul style="list-style-type: none">• EDA and Data Visualization: NumPy, Pandas, Tableau and Power BI, Matplotlib, Seaborn• Advanced Database Technology: NoSQL, MySQL, RDBMS, MongoDB• Big Data: Hadoop, Pig, Spark, Hive• Web Development: HTML, CSS• Python and Advanced python• Deep Learning and Artificial Intelligence• Digital Image Processing• Machine Learning
PROJECTS	<p>Object Detection and Voice Assistance for Visually Impaired Person. (April 2024 - Present)</p> <ul style="list-style-type: none">• Designed a cutting-edge feature for approximate distance calculation and integrated voice-based feedback generation, which streamlined customer interactions. <p>ATM Interface. (June 2024 - July 2024)</p> <ul style="list-style-type: none">• Planned and expanded an ATM interface using Python to simulate banking transactions and operations.• Implemented core functionalities including account balance inquiry, cash withdrawal, cash deposit, and fund transfer.• Developed user authentication and authorization features to ensure secure access to accounts and to conducted testing to ensure functionality, security, and performance of the ATM interface. <p>Water Potability prediction using machine learning method. (Dec 2022 – Jan 2023)</p> <ul style="list-style-type: none">• Improved a machine learning model to predict the potability of water based on various chemical and physical parameters.• To Perform exploratory data analysis (EDA) to uncover insights and relationships within the data and visualized model performance using confusion matrices.• Analyze the data and prediction using different Classification and Regression algorithms (K-Neighbors (hyper parameter tuning), Naive Bayes, Support vector Machine, Random Forest and Decision Tree) and found the maximum accuracy. <p>Sales Dashboard according to the industry standard using Tableau. (Nov 2022 – Dec 2022)</p> <ul style="list-style-type: none">• Created and developed an interactive sales dashboard using Tableau to provide comprehensive insights into sales performance.• Created data visualizations, including bar charts, line graphs, heat maps, and scatter plots to represent key sales metrics• Analyzed sales trends, customer demographics, and product performance to identify opportunities for growth and areas for improvement

INTERNSHIP	PYTHON DEVELOPMENT INTERN, OCANET SERVICES PVT LTD. Jun 2024 – Jul 2024 <ul style="list-style-type: none"> Contributed to project planning and task estimation to ensure timely delivery of features. Engaged in continuous learning and development, staying updated with the latest trends and technologies in python development.
	DATA SCIENCE INTERN, CODSOFT May 2024 – Jun 2024 <ul style="list-style-type: none"> Collaborated with the data science team to analyze and interpret complex data sets to drive decision-making processes. Developed and implemented machine learning models to predict key business metrics, improving accuracy and to conducted exploratory data analysis (EDA).
	BIG DATA ANALYSIS AND DATA SCIENCE INTERN, LUMINAR TECHNO LAB Jul 2022 – Jan 2023 <ul style="list-style-type: none"> Team up to analyze large datasets using big data technologies to analyzed large datasets to extract meaningful insights and trends utilized tools such as Hadoop, Spark, Machine Learning and Python for data processing and analysis. Implemented data visualization techniques using tools like Tableau, Power BI, and Matplotlib to present findings to stakeholders. Assisted in the design and development of data pipelines and ETL processes to automate data workflows and applied statistical analysis and hypothesis testing to derive actionable insights from complex datasets.
EDUCATION	COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY MSc Computer Science Specialization in Artificial Intelligence 2023–Present
	NEHRU ARTS AND SCIENCE COLLEGE, KANNUR UNIVERSITY BSc Mathematics [Statistics and Computer Science.] 2019-2022 CGPA – 6.5
CERTIFICATES	<ul style="list-style-type: none"> Get data with Power BI Desktop from Microsoft in 2024 Artificial Intelligence Fundamentals from IBM Skills Build in 2024 Machine Learning for Data Science Projects from IBM Skills Build in 2023 Big Data Analysis and Data Science from National Council for Technology and Training in 2023
LEADERSHIP	NCC B AND C CERTIFICATE (2021 - 2022) <ul style="list-style-type: none"> Under the authority of Ministry of Defence.
REFERENCES	RAHUL MOHANKUMAR Central Head, Luminar Technolab Kochi. contact@luminartechnolab.com +91 7594053730
	ARUN KS Assistant professor, Department of computer applications, CUSAT arunks@cusat.ac.in +91 8547850294