

SAKSHI SANJAY DUDHAL

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EDUCATION

MS in Information Systems San Diego State University, USA	Aug 2023 - May 2025
Bachelor of Engineering in Electronics and Telecommunication University Of Mumbai, India	Aug 2018 - June 2022 CGPA: 8.73/10

TECHNICAL SKILLS

Languages: Python, SQL, C, C++, Java, Erlang OTP | **Databases:** MySQL | **Libraries:** NumPy, Pandas, Matplotlib | **Tools and Technologies:** Jenkins, MS Office, Linux, HTML, CSS, IoT Common Test Frameworks, Machine Learning, Deep Learning, Data Visualization, Data Wrangling, Data Analysis, Internet of Things, and Data Structure and Algorithms, 4G -5G New Radio(NR).

PROFESSIONAL EXPERIENCE

Erlang Developer at TATA CONSULTANCY SERVICES, India	July 2022 – July 2023
<ul style="list-style-type: none">Contributed to the successful management of 4G and 5G Network Element Simulation software, overseeing 8 software releases with an impressive 99.5% uptime.Collaborated with 3 cross-functional teams, efficiently resolving 120 client issues.Aided in sprint planning and addressed 30 field issues within a swift 24-hour response time.Played a key role in estimations, backlog grooming, deployment, and testing in various environments.Maintained project documentation in Jira and Confluence, updating 60 project-related documents and issues in alignment with established procedures.Familiar with Agile Methodologies, SDLC, and DevOps tools like Git and Jenkins for CI/CD.	

INTERNSHIP EXPERIENCE

Data Analyst Trainee at SHAPEAI, India	June 2021 - Sep 2021
<ul style="list-style-type: none">Completed multiple data analysis and machine learning projects, including a movie recommendation system, CNN-based flower classification, a loan approval system, sentiment analysis with NLP, customer segmentation using KNN, and the implementation of the APRIORI algorithm on Walmart's dataset.	

RESEARCH PAPER

Journal Name: International Research Journal of Engineering and Technology.	Nov 2021– Apr 2022
Smart Devices for Object and Fall Detection: Designed a smart wearable with advanced sensors, GPS, and a vision assist system, demonstrating expertise in user-centric device design.	

PROJECTS

IMDb Movie Analysis	June 2021 - Sept 2021
<ul style="list-style-type: none">Conducted an in-depth analysis of a production company's movie portfolio over the past 3 years, providing valuable insights for future decision-making.Gained expertise in data visualization, exploratory data analysis, inferential statistics, and hypothesis testing using Python.	
Credit Card Fraud Detection Using Random Forest	June 2021 - Sept 2021
<ul style="list-style-type: none">Developed a credit card fraud detection system using the Random Forest algorithm in Python.Improved model performance through data preprocessing and feature engineering, resulting in effective fraud identification and prevention.	
Artificial Neural Network (ANN) & Project on Handwritten Digits Detection	June 2021 - Sept 2021
<ul style="list-style-type: none">Implemented an Artificial Neural Network (ANN) for Handwritten Digits Detection. Utilized machine learning and deep learning techniques to create a model capable of accurately recognizing handwritten digits.Demonstrated expertise in neural networks, image classification, and pattern recognition, with potential applications in digit recognition and character detection systems.	

CERTIFICATIONS

C, C++, SQL, Python, Machine learning, IoT, Neural Networks and Deep Learning (Coursera), Data Analysis (Basic)