

SUDHEER KUMAR THATI

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Internship

Data Science Intern

June 2024 - Aug 2024

Futureense Technologies

- Performed exploratory data analysis(EDA) on 20,000+ data points to extract key insights from various marketing campaigns and endorsements
- Developed a machine learning model with 87% accuracy to predict the capital investment required for achieving targeted business outcomes
- Implemented a regression-based optimization framework, improving lead conversion rates by 25%, by identifying top-performing counselors and agents
- Designed and deployed a medical web application with advanced functionalities like medicine booking, Doctor consultation, Diagnostics including an AI-powered chatbot and a diabetes prediction model with 85%+ precision.

Projects

MCQ Generator with Flask and AWS Bedrock / Python, AWS, EC2, HTML, CSS, JS

Jan 2025 - Feb 2025

- Built a Flask-based MCQ Generator supporting 3 file formats(PDF, DOCX, TXT) and generating + AI-Powered MCQs using AWS Bedrock(Llama 3-8B LLM)
- Integrated FPDF for instant PDF downloads, enabling users to save MCQs in under 5 seconds with HTML, CSS Frontend
- Deployed on AWS EC2 with Gunicorn, ensuring 99.9% uptime, 2x faster processing and secure file handling
- Github Repository Link: <https://github.com/Sudheerbmb/Bedrock>

Breast Cancer Detection System / Machine Learning, Predictive Analytics, tkinter

Sept 2023 - Oct 2023

- Leveraged Support Vector Machine (SVM), Linear Regression and Random Forest Classifier, XGBoost, achieving classification accuracy exceeding 90%
- Built an interactive desktop application using Python's tkinter for real-time breast cancer classification
- Designed a seamless user interface for inputting patient data and displaying predictive results dynamically
- Youtube Explanation Video Link: <https://youtu.be/ZRLmUZ4y8EQ?feature=shared>

On Your Own Hotel Booking Analysis / MySQL, ER Modeling

Oct 2022 - Nov 2022

- Designed an ER model with 10+ entities to represent customer bookings, hotel details and payment transactions, ensuring optimized relational structure
- Executed business SQL queries to analyze occupancy rates, customer preferences, seasonal and payment types
- Processed booking records to derive insights on room demand, pricing strategies and revenue patterns, supporting business

Certificates

Python for Data Science

Feb 2025

Learnbay — [Certificate Link](#)

Azure Data Scientist Associate

Dec 2024

Microsoft — [Certificate Link](#)

Azure Data Fundamentals

Dec 2025

Microsoft — [Certificate Link](#)

Technical Skills

Languages: Python, Java, C, C++, SQL

Technologies/Frameworks: Apache Hadoop, AWS, Azure, Flask, Scikit-Learn, Pandas, Numpy, Seaborn, Matplotlib

Skills: Data Structures and Algorithms, Problem-Solving, Data Reporting, Scripting in Python, Big Data Processing

Education

Lovely Professional University Punjab

2022 – 2026

Computer Science and Engineering — CGPA: 8.84

Jalandhar, Punjab

Narayana Junior College

2019 – 2021

12th with Science — Percentage: 97.5%

Kadapa, Andhra Pradesh

Sri Chaitanya Techno School

2018 – 2019

