# SUDHEER KUMAR THATI

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# Internship

**Data Science Intern June 2024 - Aug 2024**

*Futurense 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 EC2with Gunicorn,ensuring 99.9% uptime,2x faster processing and secure file handling
* Github Repository Link: [**https://github.com/Sudheerbmb/Bedrock**](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](https://invoice-lb.s3.us-east-2.amazonaws.com/certificate/SUDHEER-KUMARTue-Feb-18-2025-05-34-16-GMT-0000--Coordinated-Universal-Time--2284gv3r.pdf)*

**Azure Data Scientist Associate Dec 2024**

*Microsoft —* [*Certificate Link*](https://learn.microsoft.com/en-us/users/sudheerkumar-3457/credentials/8ce2fb3bcb6c5bbe)

**Azure Data Fundamentals Dec 2025**

*Microsoft —* [*Certificate Link*](https://learn.microsoft.com/en-us/users/sudheerkumar-3457/credentials/cf40454706fe3de6)

# Technical Skills

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

**Technologies/Frameworks**: Apache Hadoop,AWS,Azure,FlaskScikit-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**

*10th with Science — CGPA: 10 Rajampet, Andhra Pradesh*