

# THARUN PRANAV T

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 Karur, TamilNadu

 TharunPranav T

## SUMMARY

Driven and analytical Computer Science Engineering student with a deep passion for data analytics and problem-solving. Proficient in Python, SQL, and Power BI, with hands-on experience in data handling, visualization, and insight generation. Strong foundation in machine learning and cloud-based applications, with a keen interest in applying data-driven solutions to real-world challenges. Highly motivated to contribute to innovative projects, enhance decision-making through analytics, and continuously expand technical expertise in the field of data science and analytics.

## WORK EXPERIENCE

### Data Science Intern

Feb 2025 - May 2025

*SmartEd Innovations*

- Assisted in data collection, cleaning, and preprocessing to ensure high-quality datasets for analysis.
- Performed Exploratory Data Analysis (EDA) to identify patterns, trends, and insights.
- Utilized Python (Pandas, NumPy, Matplotlib) to analyze data and create visualizations.
- Collaborated with the team to present findings and provide data-driven recommendations

### AI & Cloud Technologies Intern

Sep 2025 - Oct 2025

*Edunet Foundation - IBM SkillsBuild*

- Developed AI-based applications using Python and integrated external APIs for real-time data.
- Deployed an AI web app on Streamlit Cloud with GitHub for version control and deployment.
- Gained hands-on experience in machine learning, data processing, and cloud deployment.
- Enhanced technical and problem-solving skills through mentorship under IBM SkillsBuild.

## EDUCATION

### Bachelor of Engineering in Computer Science

Sep 2024 - May 2028

*KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY*

### AISSE for Class 12

Jun 2023 - May 2024

*VELAMMAL VIDYALAYA KARUR*

## SKILLS

**Languages** Python, C, Java, SQL

**Tools/Frameworks** Power BI, Pandas, Numpy, Matplotlib, Streamlit

**Databases** MySQL

**Other Skills** Problem Solving, Exploratory Data Analysis (EDA), API Integration

## CERTIFICATIONS

### IBM Data Science Professional Certification (In Progress 3/12 courses Completed)

Jul 2025

### Google Analytics Certification - Skillshop

Oct 2025

### Artificial Intelligence Fundamentals - IBM SkillsBuild

Sep 2025

### SQL (Intermediate) - HackerRank

Oct 2024

### C Programming - Infosys Springboard

Oct 2024

### Python Programming - Infosys Springboard

Jul 2025

### Database Management Systems - Infosys Springboard

Jul 2025

### Python (Basic) - HackerRank

Jul 2025

# PROJECTS

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## Restaurant Billing System

- Designed and developed a GUI-based restaurant billing system using Python, SQL, and Tkinter.
- Implemented features for menu management, total calculation, and bill generation.
- Integrated an SQL database for storing and retrieving order details efficiently.
- Demonstrated skills in Python programming, database handling, and GUI development.

## Credit Card Default Prediction System

- Built a machine learning model to predict credit card default probability using Python.
- Implemented data preprocessing, feature engineering, model training, and performance evaluation.
- Developed an interactive Streamlit app for real-time prediction and data visualization.
- Enhanced understanding of supervised learning, classification models, and data analysis.

## ChefBot - AI Recipie Generator

- Created an AI-powered recipe generation web app using Python, Streamlit, and Google Generative AI API.
- Integrated external APIs to generate personalized recipes based on user input.
- Deployed the app on Streamlit Cloud via GitHub, demonstrating skills in API integration and cloud deployment.
- Showcased proficiency in AI application development and front-end interaction.