

# TEJESWAR NAIDU .S

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## EDUCATION

### Lovely Professional University

Computer Science and Engineering Specialized in A.I and D.E, B.Tech  
CGPA: 8.8 (Second Year)

Punjab, India  
Aug 2023 - Present

### Sri Chaitanya Jr.College

Higher Secondary  
Percentage: 96%

A.P, India  
June 2021 - March 2023

## EXPERIENCE

### Business Analyst Intern | Futureense

Online | June 2025 - Present

- Analyzed 5+ datasets with a team; performed data cleaning and EDA to identify key business insights.
- Identified patterns and features for potential model development aligned with business goals.

### Futureense | Bootcamp

Online | June 2024 - July 2024

- Gained hands-on experience with Python, MySQL, and Git through a project-based bootcamp.
- Built 5+ projects using Python, Tkinter, NumPy, and Pandas for data and UI tasks.

## PROJECTS

### AI-Based Smart Traffic Signal Management System | 🤖

Python, YOLOv11, OpenCV, AWS

- Built an AI-powered traffic detection system using YOLOv11, deployed with AWS Lambda to optimize real-time traffic signal control.
- Achieved 94.6% mAP50 across six classes by processing live video feeds and counting vehicles per lane.

### Credit Card Fraud Detection | 🤖

Jupyter Notebook, Numpy, Pandas, Scikit-learn, XG-Boost

- Applied SMOTE for class imbalance correction and used PCA to retain 95% variance, optimizing model input for better generalization.
- Achieved 96.78% accuracy with XGBoost; obtained F1-score of 0.78 and recall of 0.80 on test data, with models exported for deployment readiness.

### Exploratory Data Analysis | 🤖

Jupyter Notebook, Numpy, Pandas, Seaborn, Matplotlib

- Analyzed telecom customer data to identify key churn drivers, improving understanding of retention factors across 7,000+ records.
- Evaluated impact of contract type, payment method, and tenure on churn likelihood, contributing to potential 15% churn reduction strategies.

### Smart Todo – Personalized Task Manager | 🤖

Next.js, TypeScript, MongoDB, Tailwind CSS

- Deployed a full-stack Smart Todo web application using Next.js, MongoDB, and JWT, enabling secure task management and authentication for 50+ users.
- Implemented CRUD operations with real-time UI updates, improving task tracking efficiency by 40% and ensuring responsive design across 95% of devices.

### Online Cab Reservation System | 🤖

MySQL, Database Design, Dimensional Modeling

- Developed a cab reservation system using a Star Schema in MySQL.
- Optimized queries and schema design, improving reservation tracking and driver performance analysis speed by 35% and reducing query time by 50%.

## SKILLS

Programming Languages:	Python, Java, JavaScript, C++
Web Development:	HTML, CSS, Next.js, Flask, Google Firebase
ML & Data:	NumPy, Pandas, Scikit-learn, XGBoost, OpenCV
Databases:	MySQL, MongoDB
Cloud Platforms:	AWS, Microsoft Azure

## CERTIFICATES

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- DP-900 Microsoft Certified: Azure Data Fundamentals - **Microsoft**
- Artificial Intelligence Primer - **Infosys**
- Problem Solving (Intermediate) - **HackerRank**

## HONORS & AWARDS

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- 5 Star rating in Python on HackerRank
- Gold Medal at the 4th GSKDI International Open Karate Championship | Aug '22
- School Pupil Leader in High School 2019 - 2021