# TOOMKUNTLA DIVYA

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## OBJECTIVE

Aspiring Data Scientist and Software Engineer with strong foundations in Java, Python, and Data Science. Skilled in building predictive models, developing full-stack applications, and deploying AI solutions. Eager to apply technical expertise in solving business problems and driving data-driven decision-making.

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## EDUCATION

B. Tech in Computer Science and Engineering (Data Science)
Malla Reddy College of Engineering, Hyderabad | CGPA: 7.52 | Graduation: 2025

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## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C
**Core CS Skills:** Data Structures & Algorithms, OOP, Database Management
**Frameworks/Libraries:** Django, TensorFlow, Keras, OpenCV, Matplotlib, scikit-learn
**Databases:** SQL, MySQL
**Tools & Platforms:** Git, GitHub, Google Cloud
**Specializations:** Data Science, Machine Learning, Deep Learning, Generative AI

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## PROJECTS

**Deep Learning Facial Expression Recognition-based Scoring System for Restaurants | PROJECT LINK**
Technologies: Python, HTML, CSS, Django, Deep Learning (CNN), TensorFlow, Keras, OpenCV

- Developed a real-time facial expression recognition system using CNN to score emotional states.
- Built a user interface for uploading images and receiving emotional state scores.
- Achieved 87% model accuracy and improved baseline performance by 15%.

**Implementation of DNA Cryptography (Java Project) | PROJECT LINK**
Technologies: Java, File I/O, Encryption Logic

- Designed and implemented a bi-directional DNA-based encryption algorithm to secure cloud-stored data.
- Followed the full software development lifecycle: requirements gathering, system design, coding, and testing.
- Validated performance with **95% success rate in encryption-decryption tests**, demonstrating enhanced data confidentiality.

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**INTERNSHIPS & TRAINING**

**CodSoft | Data Science Virtual Internship**
November 2024 – December 2024
- Gained experience in data preprocessing, machine learning model development, and data visualization using Pandas, NumPy, and Matplotlib.
- Developed and deployed machine learning models using scikit-learn and TensorFlow.

**YBI | Data Science and Machine Learning Virtual Internship**
October 2024 – November 2024
- Developed predictive models and data analytics solutions using Python, R, TensorFlow, and scikit-learn.
- Focused on data wrangling, feature engineering, and creating data visualization.

**ADDITIONAL EXPERIENCE & SIMULATIONS**

- **Deloitte Australia Data Analytics Job Simulation (Forage) – Feb 2025**
  – Designed a Tableau dashboard to visualize business data and provide insights.
  – Analyzed datasets in Excel to classify data and support strategic decision-making.

- **Accenture North America Data Analytics & Visualization Simulation (Forage) – Feb 2024**
  – Cleaned and modeled 7 datasets to uncover content trends.
  – Delivered insights via PowerPoint and video presentation for stakeholders.

**CERTIFICATIONS**
- NPTEL: Data Structures and Algorithms using Java
- CodSoft: Data Science Internship Certificate
- YBI: Data Science and Machine Learning Internship Certificate
- Forage: Deloitte Data Analytics
- Forage: Accenture Data Analytics & Visualization
- HackerRank: Java (Basics) Skill Test
- LetsUpgrade: Git & GitHub Bootcamp

**LINKS**
- LinkedIn: https://www.linkedin.com/in/divya-toomkuntla-689658318/
- GitHub : https://github.com/Divya-Toomkuntla
- HackerRank: https://www.hackerrank.com/profile/toomkuntladivya1
- CodeChef: https://www.codechef.com/users/divya_reddy28