

## MOHAN TEJA DHARMAVARAPU

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Portfolio: <https://mohantejad.vercel.app>

### SUMMARY

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- Experience with data preprocessing and data visualization tools along with strong problem-solving skills and the ability to work collaboratively in a team environment
- Highly skilled AI Engineer with a strong proficiency in Python with ability to develop and implement advanced machine learning models and AI solutions.
- Design, develop, and optimize machine learning algorithms and predictive models using Python and conduct data analysis and prepare datasets for training and evaluation of AI models
- Monitor model performance and refine algorithms based on feedback and data trends and stay current with the latest research and advancements in AI and machine learning technologies
- In-depth knowledge of various machine learning algorithms and deep learning algorithms along with AI frameworks such as TensorFlow, PyTorch, or scikit-learn

### SKILLS

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- Data Structures and Algorithms
- Python
- Pandas, NumPy, Matplotlib and Seaborn
- Machine Learning algorithms and Scikit Learn
- Deep Learning algorithms, TensorFlow and PyTorch
- Fast API
- PostgreSQL
- Amazon Web Services (AWS)

### PROJECTS

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#### **Pedestrian Detection:** [GITHUB](#)

- Developed real-time computer vision model to detect and track pedestrians on the street.

#### **Medical Transcripts Summarization:** [GITHUB](#)

- Created an AI model to summarize medical reports, aiding doctors in diagnosing patients.

### EXPERIENCE

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#### **Software Engineer [October 2023 – April 2024]**

##### **Open Law – Sydney, Australia**

- Automated data pipelines and data cleaning processes, significantly improving data accessibility and quality for future training and testing.
- Created and implemented **machine learning models** using **TensorFlow** to automate critical tasks, enhancing efficiency and integrated to backend application.

#### **Data Analyst Intern [February 2023 – May 2023]**

##### **University of New South Wales (UNSW) – Sydney, Australia**

- Conducted in-depth data analysis using **Pandas**, **NumPy**, **Matplotlib**, and **Seaborn**, providing actionable insights to guide business decisions.
- A Developed and deployed **machine learning models** with **TensorFlow**, automating key processes and improving data handling.

#### **Programming Analyst [January 2019 – December 2019]**

##### **Cognizant Technological Solutions – Bangalore, India**

- Collaborated with the **cybersecurity team** to write **Python scripts** that automated vulnerability assessments using **Burp Suite**, **Wireshark** and **Metasploit** with reporting detailed findings.
- Developed a full stack web application that displays

### EDUCATION

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#### **Master of Information Technology [February 2020 – December 2022]**

University of New South Wales (UNSW) – Sydney, Australia

#### **Bachelor of Computer Science and Engineering [June 2015 – April 2019]**

Gandhi Institution of Technology and Management (GITAM) – Vizag, India

### VISA

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- Temporary Graduate Visa
- Subclass 485 with full work rights in Australia with valid until May 5, 2028