

# Mann Dsylvia

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AI Enthusiast with a focus on leveraging advanced AI technologies and software development expertise to create innovative solutions and drive measurable impact. Experienced in developing and integrating backend systems using .NET APIs, alongside independent projects and collaborative team efforts to achieve business and technical objectives.

## Experience

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### Augmented Systems LLP | Jr. Software Developer | July'23 – June'24 | Ahmedabad

- Created machine learning pipelines utilizing NLP techniques to analyze unstructured data sets; improved reporting speed on project outcomes by delivering insights three times faster than previous methods. Utilized OpenCV for image processing tasks, enhancing the accuracy and efficiency of visual recognition systems.
- Developed and maintained backend systems for web applications using .NET, MVC, and MAUI for Android game applications, achieving a 20% reduction in debugging time.
- Worked as a backend developer, creating APIs and writing efficient stored procedures to support seamless data operations.
- Partnered closely with multidisciplinary groups on complex projects; identified key areas for technology adoption which led to reduced deployment times by an average of 15 hours per release cycle over six months.

### Tusker A.I | Python Developer Intern | January'23 – April'23 | Ahmedabad

- Gained a thorough understanding of Python Programming from scratch, including the basics of OpenCv for image processing.
- Learned the fundamentals of Deep Learning and Convolutional Neural Network (CNN), focusing on how detection models work.
- Assisted in researching and implementing cutting-edge A.I technologies to enhance the performance of machine learning models.

## Education

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### Pandit Deendayal Energy University PDEU | Masters of Technology in Artificial Intelligence | July'24 - present

Coursework focuses on Machine Learning Algorithms, Reinforcement Learning, Deep Learning, Neural Network, Optimization Techniques for A.I, Computer Vision.

### L.J Institute of Engineering and Technology | Bachelor of Engineering in Information and Communication Technology (ICT) | 2019 - 2023

CPI : 9.26 | CGPA : 9.24

## Skills

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- Programming Languages: Python, .NET, C, C#.
- AI Technologies: Optical Character Recognition (OCR), Natural Language Processing (NLP), Deep Learning, Convolutional Neural Networks (CNN), TensorFlow, PyTorch.
- Frameworks & Libraries: OpenCV, .NET MAUI, Flask.
- Tools & Databases: SQL Server Management Studio (SSMS), SqlYog.
- Web Development: .NET MVC, React, HTML/CSS, JavaScript.

## Projects

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### Vehicle Detection System

- Engineered a vehicle detection and tracking system featuring secure password hashing, a user-friendly dashboard, and video upload capabilities.
- Leveraged CNN models for accurate detection, with Flask as the backend and SqlYog for database management.

### **Employee Management System**

- Created an employee management platform using .NET API and React, integrating SQL Server Management Studio (SSMS) for database operations.
- Added functionality for image upload, CRUD operations, and dashboard analytics, resulting in an intuitive user experience.

### **Cloak of invisibility**

- Innovated a program using Python and OpenCV that mimics the invisibility cloak from Harry Potter by detecting specific colors and masking them with the background.

### **Air Canvas**

- Engineered an interactive drawing tool utilizing Python and OpenCV that enabled users to create visual designs through a color pointer, enhancing user engagement.