

Aryan Sadvelkar

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EDUCATION

Syracuse University
Masters in Computer Science

May 2026
CGPA – 3.44

Vidyalankar Institute of Technology
Bachelor of Engineering, Information Technology
[Honors in AI/ML]

May 2024
CGPA – 3.62

SUMMARY

Master’s in Computer Science student at Syracuse University, focusing on AI and machine learning, with practical experience in full-stack development. I build applications that use machine learning with Python, PyTorch, and Hugging Face. My projects include natural language processing, time-series prediction, and data extraction based on optical character recognition.

PROFESSIONAL EXPERIENCE

- Organization: ACMEGRADEJan 2023 – Feb 2023
- Certification: Full Stack Development Training
- Completed comprehensive training in Full Stack Development, acquiring skills in **React.js, JavaScript, MySQL, and PHP**.
 - Developed a responsive e-commerce website during training, utilizing React.js and JavaScript for frontend development
 - Collaborated with training mentors to apply learned concepts in UX design, contributing to enhancing user interface intuitiveness.

TECHNICAL SKILLS

- AI/ML & Data Science** :Python, Scikit-learn, PyTorch, TensorFlow, NumPy, Pandas, Matplotlib, Hugging Face
- Web Development** : React.js, Redux, JavaScript (ES6+), HTML5, CSS3, Node.js, Express.js, Django, Angular.js
- Databases** : MongoDB, MySQL
- Tools & Platforms** : Git, GitHub, REST APIs, VS Code, Postman, Streamlit, Chrome DevTools
- Other Skills** : TypeScript (Beginner), Agile/Scrum, Responsive Design, Web Scraping, JSON

PUBLICATIONS

[Revolutionizing Student Accommodation: A MERN-Based Rental System for Seamless Property Management](#)

PROJECTS

- “Predicting the Golden Hour for Social Media Engagement”
- Built ML models (Prophet, ARIMA, LSTM) to predict peak posting times across platforms like Instagram, Twitter, and TikTok.
 - Processed 400K+ data points via APIs and web scraping; applied clustering and regression for engagement insights.
 - Visualized trends, revealing key engagement windows (e.g., evenings, weekends).
 - Tools: Python, Scikit-learn, BeautifulSoup, Selenium, Streamlit.
- “Nutrient Analysis using AI Models”
- Developed a new system for food label image nutritional analysis automation through AI methods.
 - Applied EasyOCR for Optical Character Recognition and applied NLP concepts to classify and extract the nutritional data.
 - Applied transformer-based hugging face models for facilitating context-aware data analysis and personalized diet recommendation.
 - Successfully categorized nutritional data in actionable formats so that consumers can plan their diet with ease.
 - Tools & Software: Python, PyTorch, EasyOCR, Hugging Face Transformers, JSON.
- “Apartments for Students”
- Developed and created a web application for facilitating simple search for accommodation appropriate for professionals and students moving to new locations.
 - Provided functionality for analyzing compatibility on the basis of their interests like locality, community, and social circles.
 - Provided prior resident information for making intelligent and well-informed choices.
 - Tools& Software: MongoDB, Express.js, React.js, Node.js (MERN Stack).
- “Online Job Portal”
- Planned and implemented a job portal to link freshers and recruiting companies.
 - The portal enables freshers to post their resumes and search for jobs, while recruiting companies can add jobs and control availability.
 - Offered a simple frontend interface and robust backend for efficient working.
 - Tools & Software: PHP, MySQL, HTML, CSS, JavaScript.
- “Airline Reservation System”
- Web Application designed to incorporate airline schedule, passenger reservation, ticket record.
 - Reduces Manual errors involved in airline reservation process.
 - Tools& Software: MySQL coding implemented for all Backend sync; Java coding done for Frontend appearance.
- “Travel Recommendation System”
- Designed an intelligent travel recommendation portal using the K-Nearest Neighbors (KNN) algorithm in Python.
 - The application takes into consideration the preferences of the users, the reviews, and ratings in providing recommendations for travels.
 - The execution enhanced the user experience by delivering tailored suggestions using measures of similarity.
 - Tools& Software: Python, KNN Algorithm.