

ARYA VIKRAM KHOCHAGE

Kolhapur, Maharashtra, India

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Education

D Y Patil College of Engineering and Technology

Dec 2021 – May 2025

B.Tech in CSE, AI & ML Specialization - CGPA: 8.87

Kolhapur, Maharashtra

Relevant Coursework

- Data Structures
- Software Engineering
- Agile Methodology
- Database Management
- Artificial Intelligence
- Machine Learning
- Computer Architecture

Experience

ML Virtual Internship at IIT Bombay

May 2024 – June 2024

Remote

- Developed an innovative Automatic Speech Recognition system using Transformer models to enhance speech-to-text accuracy.
- Utilized a collaborative GitHub repository for version control and teamwork.

Softtron Technology Pvt. Ltd.

June 2023 – July 2023

Kolhapur, Maharashtra

- Utilized VS Code and Jupyter Notebook for development, demonstrating a proactive and efficient approach to learning.
- Gained in-depth knowledge of ML packages and types, implementing small-scale prediction models with diligent use of various ML algorithms.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Projects

SHINE AUTO E-SERVICE PLATFORM | *HTML, CSS, JavaScript, EJS, Node.js, Express.js*

- Adaptable and innovative platform developed to replace outdated record-keeping, digitizing 100 percent of records and billing, boosting efficiency by 75 percent.
- Integrated MongoDB for reliable and scalable database connectivity, enhancing data management and online service history access.
- Secure login features implemented to protect customer data, ensuring a dependable and organized system.

SMART SALES PREDICTION FOR SUPERMARKETS | *Python, ML Algorithms, NumPy, Pandas, Matplotlib, Seaborn*

- Developed an analytical machine learning model for accurate supermarket sales prediction, improving forecast accuracy.
- Innovative solution aiding in better inventory management, reducing stockouts and overstock.
- Efficient and proactive system enabling supermarkets to optimize stock levels and enhance operational efficiency.

PRECISION FARMING CROP ADVISOR | *Python, ML Algorithms, NumPy, Pandas, Scikit-Learn, Seaborn*

- Utilized Random Forest and Decision Tree classifiers to recommend optimal crops based on climate data, enhancing yield by 40 percent.
- Efficient and resourceful solution allowing farmers to input temperature, humidity, pH, rainfall, and nutrient values, improving resource utilization.
- Efficient and proactive system enabling supermarkets to optimize stock levels and enhance operational efficiency.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL (MySQL) , NoSQL (MongoDB)

Developer Tools: VS Code, Eclipse, Google Collab, Git

Technologies/Frameworks: React, Node.js, Express.js, GitHub

Leadership / Extracurricular

Training and Placement Cell

Aug 2022 – Present

Training Coordinator, Deputy Chief Student Coordinator

DYP CET

- Led campus recruitment drives, training programs, workshops, and seminars to improve students' employability and interview skills.
- Strengthened problem-solving and decision-making skills by addressing and resolving logistical challenges, ensuring smooth operation of training and placement activities