

Yash Shewalkar

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EDUCATION

Bachelor In Technology, Vishwakarma Institute of Technology,

Pune

Expected 2026

Artificial Intelligence and Data Science

CGPA – 8.51

Higher Secondary School (12th), Ambrosia Jr College, Nashik

81% - HSC

2022 PCM

Secondary School (10th), Kilbil English Medium School, Satana

95.40% - SSC

2020

SKILLS

Programming

Python, C/C++, Java

Web Development

Html, JavaScript, NodeJS, Express.JS, React, Next.JS

Databases

MongoDB, MySQL, Firebase

Tools

VS Code, Google Colab, IntelliJ Idea, Postman, Git/GitHub

PROJECTS

Fake News Detection

📅 Oct 2023 - Nov 2023

- Implemented Python-Flask for deploying the trained model on web page created using Bootstrap CSS.
- Achieved 98.4% accuracy on a dataset having approximately 40,000 rows through the application of Logistic Regression.

Credit Risk and Approval

📅 Jan 2024 - Feb 2024

- Applied Feature Selection and Dimensionality reduction on the CIBIL dataset having 61 columns and reduced the features to 54.
- Conducted ANOVA tests and applied One-Hot encoding to improve the model's predictive performance.
- Obtained a 71% accuracy rate in categorizing approvals into four distinct groups utilizing XGBOOST.

Quiz App in Java

📅 Apr 2024 - May 2024

- Built a user interface using Java Swing along with OOP principles to ensure a maintainable and scalable codebase.
- Designed and integrated MySQL database with JDBC for effective and reliable database connectivity.
- Implemented CRUD operations and key features like student results tracking and an MCQ exam timer, enhancing overall application functionality.
- Added both Admin and User functionalities.

ANPR Based Entry System

📅 Apr 2024 - May 2024

- Established a real-time number plate detection system using Python, STREAMLIT, OpenCV, and Firebase.
- Used EASYOCR for character recognition, cross-verifying data with Firebase for accuracy and reliability.
- Developed a QR-code scanning feature to streamline the registration of unverified plates, integrating with email systems for automated requests.
- The verification takes less than 2 seconds.

Image Gallery

📅 June 2024 - July 2024

- Developed a full-stack image gallery application using NodeJS, Express, and MongoDB.
- Implemented user authentication with Passport.js and managed file uploads with Multer and UUID.
- Designed a responsive UI with EJS and a Masonry layout, incorporating elements from Codepen for enhanced user experience.

COURSEWORK

DBMS

Web Technology

Data Science

Object Oriented Programming

Computer Networks

Operating Systems