DARSHAN PAWAR

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GitHub | LinkedIn | Portfolio| Leetcode

EDUCATION

SVKM Institute of Technology, Dhule	*2022 - Present*
Bachelor of Technology in Computer Engineering	*CGPA: 7.6 out of 10*
D.M. Baari Junior College	*2022*
Higher Secondary Certificate (HSC)	*Percentage: 69%*
KSK New City High School	*2020*
Secondary School Certificate (SSC)	*Percentage: 72%*

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL, Java
Frontend Technologies: HTML, CSS, React.js, Bootstrap, Tailwind CSS
Backend & APIs: Express.js, Django, Streamlit, REST API development
Databases: MySQL, MongoDB, basic database design
Core Concepts: Data Structures and Algorithms, authentication, CRUD operations, client–server architecture
Tools: Git, GitHub, Postman

EXPERIENCE

Python Developer Intern — *Nov 2024 - Jan 2025*
Infosys Springboard — *Remote*

- Worked as a Python Developer Intern with the goal of building an automated solution for real-world document processing.
- Developed a Python-based application to extract structured data from cheque images and PDFs.
- Integrated external APIs and handled end-to-end data flow from input processing to storage.
- Collaborated with mentors and peers to understand requirements, debug issues, and improve system accuracy.
- Used MongoDB for storing and validating extracted data, ensuring data consistency and reliability.
- Followed standard software development practices including version control and iterative improvements.
- Worked with Python, MongoDB, REST APIs, and external services in a production-like environment.

PROJECTS

ExpenseTrack: Personal Finance Manager — *Aug 2024 - Oct 2024*
Full-Stack Web Application — *Self Project*

- **Tech Stack:** React.js, Express.js, Tailwind CSS, REST APIs, MongoDB, Authentication, Git, GitHub
- Developed a full-stack expense tracking application using React.js for the frontend and Express.js for the backend.
- Designed and implemented REST APIs to handle expense creation, update, deletion, and retrieval operations.
- Implemented secure user authentication to ensure user-specific access to expense data.
- Used MongoDB to store user profiles and expense records efficiently.
- Built a responsive and modern user interface using Tailwind CSS.
- Managed source code and version control using Git and GitHub.
- Links: GitHub | Live Demo

CheckMate: Automated Cheque Data Extractor — *Nov 2024 - Jan 2025*
Python & Streamlit Application — *Internship Project*

- **Tech Stack:** Python, Streamlit, Image Processing, External Document Processing APIs, MongoDB, Git, GitHub, VS Code
- Built a Python-based web application using Streamlit to extract data from cheque images and PDF files.
- Applied image preprocessing techniques to improve text clarity and extraction accuracy.
- Integrated external document processing APIs to convert unstructured cheque data into structured fields.
- Stored extracted cheque information in MongoDB for validation and future reference.
- Automated manual cheque data entry processes to reduce human effort and processing time.
- Links: GitHub | Live Demo

Multi-Class Pneumonia Classification from X-Ray Images — *Aug 2025 - Ongoing*
Machine Learning Project — *Academic Project*

- **Tech Stack:** Python, OpenCV, scikit-image, U-Net, DenseNet, ResNet, Transfer Learning, Git, GitHub, VS Code
- Developed a machine learning pipeline to classify chest X-ray images into Normal, Bacterial, and Viral Pneumonia.
- Trained models using both custom training and pre-trained deep learning architectures.
- Applied U-Net architecture for lung region segmentation to remove irrelevant background information.
- Used DenseNet and ResNet models for feature extraction and classification.
- Performed image preprocessing, model training, evaluation, and confidence scoring for reliable predictions.
- Repository: GitHub

CERTIFICATIONS

- Programming in Python – NPTEL (2023).
- Python Foundation Certification – Infosys Springboard (2023).
- Web Development Certification – Infosys Springboard (2024).
- Front-End Web UI Frameworks and Tools – Coursera (2024).

ACHIEVEMENTS & LEADERSHIP

- Active LeetCode problem solver with consistent practice in Data Structures and Algorithms.
- Active member of ACM Student Chapter, participating in technical workshops and coding-related activities.
- Served as a Google Student Ambassador, helping students explore Google learning resources and programs.