

KARAN SHAH

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EDUCATION

MSC CS, MIT WPU, Pune

Aug 2024 - Present

CGPA: 8.18 / 10.0

BSC CS, Pratibha College of Commerce and Science, Pune

2021 - 2024

CGPA: 8.52 / 10.0

SKILLS

Programming Languages

Java, Python, JavaScript (basic), SQL

Web Technologies

Flask, HTML, CSS, MongoDB

Tools & OS

Git, GitHub, VS Code, Mac OS, Eclipse, Windows, Linux

PROJECTS

Uni-Wallet (E-Wallet Web Application)

Flask, Python, MongoDB

- Designed and developed a secure e-wallet web application using **Flask** and **MongoDB**, enabling user registration, profile management, and transaction processing.
- Engineered a secure session handling mechanism and integrated **QR code generation** for user identification, enhancing transaction security and user experience.
- Optimized database queries in MongoDB, resulting in a **30% reduction** in latency for fetching transaction histories for users with large activity logs.

Currency Recognition System

Python, Flask, Computer Vision

- Built a **Flask-based** web application to recognize Indian currency from uploaded images using **Python**, image processing, and pattern matching techniques.
- Implemented a RESTful API for image uploads and real-time detection, demonstrating proficiency in backend development and API integration.
- Achieved a **92% accuracy rate** in denomination recognition across varied lighting conditions and image qualities through fine-tuning of image processing algorithms.

Travel Management System

Java, NetBeans, Swing

- Developed a comprehensive, object-oriented desktop application in **Java** to manage travel services, including trip scheduling, package booking, and customer data management.
- Utilized **NetBeans IDE** with Ant-based build automation, demonstrating strong skills in software architecture, project structuring, and traditional Java development workflows.
- Implemented a modular design that allowed for a **40% faster** integration of new travel packages and promotional offers into the system.

AWARDS AND ACHIEVEMENT

- Certified Java Fullstack Developer**, demonstrating end-to-end application development skills.
- Successfully completed Certification in Foundations of AI and Machine Learning **By Microsoft(Coursera)**
- Successfully completed the **Barclays Life Skill Programme**, enhancing professional readiness and corporate communication skills.
- Participated in the **Microsoft Cyber Suraksha** program, gaining foundational knowledge in cybersecurity principles and best practices.