

Fenil Vaghasiya

Location: Ahmedabad, Gujarat, 382350

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Education

Nirma University, Ahmedabad, India

September 2022 – June 2026

Bachelor of Technology in Computer Science and Technology

CGPA: 8.55/10.00

Minor Degree : Accounting and Finance

Related Courses : Introduction To Accounting, Introduction to Cost and Management Accounting, Fundamental of Finance, Personal Wealth Management

Skills

- **Core Skills:** Machine Learning, Data Analysis and Visualization, Data Structures and Algorithms
- **Programming Languages:** Python, C++, Java Script, HTML-CSS, C, SQL
- **Tools & Technologies:** Google Collab, Tableau, MongoDB

Languages

English, Hindi, Gujarati

Academic Projects

Expense Categorization App using OCR and AI

January 2025

Technologies: Python, Tkinter, MongoDB, Gemini API, Tesseract OCR, bcrypt, Matplotlib

- Developed a desktop-based application to automate expense extraction and categorization from bill images using OCR and Gemini AI.
- Integrated secure user authentication with bcrypt and stored categorized expense data in MongoDB.
- Enabled users to upload bills, extract text via Tesseract, and categorize expenses into predefined buckets using AI-driven prompts.
- Implemented data visualizations through bar and pie charts using Matplotlib.

IPL Dashboard and Analysis

January 2025

Technologies: Tableau, Excel, Data Visualization

- Designed and developed an interactive dashboard in Tableau to visualize and analyze IPL match data across multiple seasons.
- Utilized charts, maps, and KPIs to present user-friendly, visually rich summaries for stakeholders and cricket enthusiasts.

Operating-System-Scheduler-Simulator

April 2024 – May 2024

Technologies: HTML, CSS, JavaScript

- Developed a web-based application using HTML, CSS, and Javascript to simulate various scheduling algorithms commonly used in operating systems. Implemented algorithms such as First Come First Serve (FCFS), Shortest Job First (SJF), Round Robin (RR), Shortest Remaining Time Next (SRTN) and Priority Scheduling.

Participation

- **Smart India Hackathon (SIH) 2024**
- **National Seminar under Fulbright Program on "APPLICATIONS OF MACHINE LEARNING AND DEEP LEARNING IN VARIOUS DOMAINS"**
- **Financial Literacy Bootcamp by Laxmi**

Extra-Curricular Activities

U-14 Cricket Player – Gujarat State Team

U-14 and U-16 Cricket Player – Ahmedabad District Team