Dharmay Shah

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Summary

Passionate and driven B.Tech Computer Science and Engineering student at Adani University, majoring in Artificial Intelligence and Machine Learning. Actively pursuing excellence and transforming passion into profession. Aiming to bridge Development Technologies, Cloud Computing, Networking, and Artificial Intelligence to develop innovative solutions for real-world challenges.

Education

B.Tech in Computer Science and Engineering, Major in Artificial Intelligence and Machine Learning
Adani University

Skills

Programming Languages
Technologies: C, C++, Java, Python, MySQL, HTML, CSS, JavaScript, Node.js, React
Core Competencies: Data Structures, Algorithm Design, Development Technologies, Cloud Computing, Networking, Artificial Intelligence

Projects

MindMosaic - AI-Powered Mental Wellness App: Innovative mental wellness app using AI for personalized insights. **Features:** Reflective onboarding, ML analysis (synthetic data), parameter weighting, conversational AI, content suggestions. **Tech:** Custom ML model, intuitive UI. (HackSpire 2025, Team 'Imposters').

IoT-Based Energy Flow Monitoring with AWS: Real-time IoT monitoring for energy/fluid. **Features:** RS485 meters, AWS IoT Core/SiteWise/S3/Events, Lambda/SES. **Future:** ML predictive analytics, 2-way pub/sub.

College Timetable Management Scheduling System: Integrated manual/automated timetable generation. **Features:** UI, Java scheduling, conflict-free, real-time DB sync, export. **Stack:** Node.js/Express, Java, MySQL/PostgreSQL, React.

College Library Management System: Manages book issuance, returns, reminders, late fees. **Features:** IDs, inventory, tracking, email reminders, fines, block. **Stack:** Node.js/Express, React, SQL.

Fixed Deposit Management System with TDS Deduction: Manages FDs, interest/maturity, reinvestment, TDS. **Features:** Compounding, TDS, renewals, login.

Loan Management System with Moratorium: Calculates EMI, moratorium tenure adjustment, repayment methods. **Features:** EMI (flat/reducing), moratorium, flexible repayment.

Automated WhatsApp GIF Sender (Fun Project): Bot automates GIF sending to WhatsApp groups via Selenium. **Features:** Automated sending, group selection, keyword search.

Certifications

– AWS Cloud Practitioner (CLF-C02)
– AWS Academy Graduate - Cloud Foundations
– AWS Academy Graduate - Machine Learning Foundations
– AWS Academy Graduate - Cloud Architecting
– AWS Academy Graduate - Cloud Developing

Currently Pursuing: AWS Certified Solutions Architect - Associate, AWS Certified Developer - Associate

Research

– AI Based Energy Efficient and Placement Optimized Algorithms for Next-Generation Wireless Technology
– Impact of Data Quality on Machine Learning Model Training

Community Engagement

Leadership

– Captain: AWS Cloud Club at Adani University
– Member: AWS UG Ahmedabad

Events
Workshops

The Advancement of Gen AI (May 2025): AWS UG Vadodara. Insights: voice AI (Transcribe, Polly), foundation models (Amazon Q, SageMaker, Inferentia, Tranium), fine-tuning, RAG, agents, Agentic AI.

HackSpire 2025 - 24-Hour Hackathon: Led team 'Imposters', developed MindMosaic (AI mental wellness app). Learned team collaboration, planning, execution.

AWS Community Day Ahmedabad 2025: Volunteered at Builder Fair (IIoT Tech-Booth), showcased Remote Energy/Flow Monitoring System.

AWS Community Day Vadodara 2024: Learning: GenAI, serverless, AWS Amplify, security best practices.

AWS Student Community Day CHARUSAT 2024: Insights: personal branding, AI, cloud security, architecture best practices.

Jen Looper visits Adani University: Hosted. Insights: AWS Leadership Principles, cloud adoption, AWS Cloud Club strategies.