Dharmay Shah

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Career Objective

Aim to build innovative systems that make a difference—using technology as a tool to create lasting impact and shape a better tomorrow.

Experience

Company	Duration	Department	Project details
Internship			
Bankai Informatics Private Limited, Ahmedabad	2M	AI-ML	• Contributed to a **modular AI system** that enhanced **oversight and adaptability in compliance workflows**. • Helped **surface high-risk activity** faster by integrating intelligence into **fraud and AML** pipelines. • Introduced strategies that made **AI usage leaner and more cost-aware, without compromising capability**. • Enabled **real-time decisions** by reshaping how critical data flows through operational systems.
Externship			
Eleics Design Private Limited, Gandhinagar	2W	IIoT	• Built a monitoring solution that gave industrial teams a clearer view of **what's happening on the ground—without being on-site**. • Triggered timely responses by embedding **smart alerting into routine operations.** • Helped bridge **sensor data to business value** through streamlined, cloud-powered infrastructure.

Projects

Project Title	Description
LLM-Powered Data Agents	Developed AI agents with **LangGraph** for **real-time entity mapping, rule validation, and user profiling** using **Kafka**-based streaming data from **PostgreSQL.**
IoT-Based Energy & Flow Monitoring with AWS	Designed a scalable IIoT system using RS485 sensors, **AWS IoT Core, SiteWise, Lambda, and SES** for **real-time monitoring, automated alerts, and historical data analytics.**
Comprehensive Timetable Management System	Built a **multi-departmental scheduling platform** with **React, Node.js/Express, and a Java** scheduler for **automated generation, conflict detection, and class-faculty-course linkage.**
MindMosaic – AI-Powered Mental Wellness App	Built during HackSpire 2025; uses a **custom ML model** to assess emotional states and deliver wellness scores with mood detection, **conversational AI,** and **tailored recommendations** for content.
Miscellaneous	• Loan Management System with Moratorium • Fixed Deposit Management System with TDS Deduction • Business & Economy Flight Analytics Dashboard • WhatsApp GIF Bot (Fun Project)

Research

AI-Based Energy Efficient and Placement Optimized Algorithms for Next-Generation Wireless Technology (Ongoing)

Impact of Data Quality on Machine Learning Model Training
(Initiated as an exploratory effort; concluded after extracting key learnings.)

Certifications	
AWS	Cloud Practitioner Pursuing: Developer Associate and Solutions Architect Associate
AWS Academy	Cloud Foundations, Machine Learning Foundations, Cloud Developing, Cloud Architecting
Oracle	AI Foundations Associate
Coursera	Getting Started with JIRA

Skills			
AWS	Category	Services	
	Compute	EC2, Lambda, ECS, EKS	
	Storage	S3, EBS, EFS	
	Database	RDS, DynamoDB	
	Networking	VPC, Route 53, ELB, CloudFront	
	AI/ML	SageMaker, Lex, Q, Bedrock	
	IoT & Event-Driven	IoT Core, SiteWise, SES, SQS, Step Functions	
	Automation	CloudFormation	
	Security & Identity	IAM	
AI & ML	Algorithms, Scikit-learn, TensorFlow, Keras, Nature Inspired Optimization Algorithms, Prompt Engineering, LangGraph		
NLP	Task	Tool/Library	
	Semantic Search	Sentence Transformers	
	Similarity Search	Sentence Transformers, spaCy	
	Named Entity Recognition (NER)	spaCy	
Big Data & Streaming	Debezium, Zookeeper, Kafka, Spark		
Databases & Formats	PostgreSQL, MySQL, CSV, Parquet		
Programming	Python, Java, C, JavaScript, HTML, CSS		
Frameworks & Tools	React, Node.js, Express.js, Docker, Kubernetes, Git, Selenium		
Visualization & Analysis	Matplotlib, Seaborn, Power BI, Pandas, NumPy,		
Key Competencies	Cloud Architecture AI Agent Design Data Structures & Algorithms (Moderate) Full-Stack Development (Moderate)		

Education			
Year	Course	College/Institute	% / CGPA
2022– 2026	BTech CSE(AI-ML)	Adani University	7.66
2022	Class XII (PCM)	Aakash Institute	JEE Mains: 91.63 PR Board: 67%
2020	Class X	Bhulka Vihar School, Surat	Board: 87%
2018	C&C++Programming	IIHT Surat	

Leadership, Community & Events	
Role	Event/Organization
Captain	AWS Cloud Club – Adani University
Member	AWS UG Ahmedabad & AWS UG Vadodara
Exhibitor	Builder Fair – AWS Community Day Ahmedabad 2025
Event Coordinator	Jen Looper (Head, Academic Advocacy at AWS) Visit – Adani University
Team Moderator	HackSpire 2025

Personal Details	
Date of Birth	15-03-2004
Marital Status	Single
Hobbies & Interests	Building Systems, Running, Cycling, Golf and Reading
Languages Known	English (S,R,W) , Gujarati (S,R,W) , Hindi (S,R)
Address	**Present**: Ahmedabad **Permanent**: Surat
I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.	Sign Date Place