

Jahnavi Dave

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Udaipur, Rajasthan

PROFILE

Third-year B.Tech student in Computer Science (AI & ML) with a CGPA of ~8.0. Experienced in building production-grade AI systems, data visualization, and financial leadership. Proficient in Python, Java, and SQL, with a passion for leveraging data-driven methods to solve complex real-world problems.

EDUCATION

Sir Padampat Singhania University

B.Tech in Computer Science & Engineering (AI & ML), CGPA: ~8.0

Central Public School

Senior Secondary Science (CBSE), Percentage: 85%

Central Academy, Hiran Magri Sec 3

Secondary Education, Percentage: 87%

Udaipur, Rajasthan, India

Sep 2023 Aug 2027 (Expected)

Udaipur, Rajasthan, India

Apr 2021 Mar 2022

Udaipur, Rajasthan, India

Apr 2019 Mar 2020

RELEVANT COURSEWORK

Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Machine Learning, Deep Learning, Reinforcement Learning, Natural Language Processing, Computer Vision, Probability & Statistics, Linear Algebra, Big Data Analytics, Cloud Computing (AWS)

EXPERIENCE

AI Engineer Intern

May 2025 – Aug 2025

Pyrotech Technologies Pvt. Ltd., Udaipur

- Led development and deployment of an enterprise-scale RAG system enabling fast, accurate document search with source traceability.
- Improved operational efficiency by reducing employee research time by 40% and enhancing cross-team knowledge access.
- Collaborated with cross-functional teams to integrate OCR, semantic search, and metadata extraction pipelines ensuring production readiness and scalability.

Head Treasurer

Dec 2025 – Present

Student Council, SPSU, Udaipur

- Led and supervised all club treasurers, ensuring standardized financial reporting and compliance across the council.
- Managed budget allocations and financial tracking for various university events and student initiatives.

Social Media Head

Feb 2025 – Present

GeeksforGeeks Student Chapter, SPSU

- Managed digital presence for 500+ students and increased event participation by 40% through strategic technical content.
- Planned and executed data-driven campaigns to boost brand engagement and student participation.

PROJECTS

IEEE Ideathon 2024 Team Leader (1st Runner Up)

Apr 2024

- Built and updated dashboards on Tableau to drive actionable insights and self-service for stakeholders.
- Built Market Mix models using advanced statistical methods to estimate ROI of promotions.
- Reduced errors to zero by building a well-structured process to ensure data quality and process documentation.
- Increased tasks efficiency by 200% by identifying opportunities for automation of repeated tasks.

Team CuraTech Rural Healthcare Platform

Nov 2024

- Proposed a platform enabling remote healthcare access, appointment booking, and report tracking for rural communities.
- Focused on improving healthcare accessibility by integrating a multi-criteria decision-making logic for clinic location and facility tracking.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL (MySQL)

Libraries/Tools: pandas, NumPy, matplotlib, seaborn, Tableau, PowerBI, OpenCV

AI/ML: Retrieval-Augmented Generation (RAG), Semantic Search, OCR Pipelines, Data Visualization, Object Detection

Developer Tools: Git, Docker, WSL (Ubuntu), VS Code

Soft Skills: Leadership, Financial Supervision, Communication, Problem Solving, Teamwork

CERTIFICATIONS

AI, Machine Learning & Data Science Bootcamp *Udemy* 2025

Java & Python Basic Certifications *HackerRank* 2024

IEEE Ideathon 1st Runner Up *SPSU* 2024