

Dheirya Bhatt

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EDUCATION

Universität Paderborn, Germany
Masters of Science Computer Science.

Expected 2027

Indus University, Gujarat, India
Bachelors of Technology in Information Technology.

June 2023
GPA 1.5/5.0

RELEVANT SKILLS

Languages: Python, C, C++

Libraries & Frameworks: NumPy, Pandas, Keras, Scikit-Learn, TensorFlow, DeepEval, CrewAI.

AI & ML: Generative AI, Multi-Agent System (Agentic AI), Model Evaluation, Prompt Engineering.

Testing & Automation: Test Case Generation, Automation Frameworks, AI-based Validation.

Tools: Git, Jupyter, ChatGPT, SQL, VSCode, Qdrant, Github Co-pilot, Azure,

PROFESSIONAL EXPERIENCE

Student Assistant / Intern

dSPACE GmbH, Paderborn

Aug 2024 – Present

Project: Development of a Multi-Agent System for Automated dSPACE AutomationDesk Test Case Generation

- Developed and extended a **multi-agent, LLM-based pipeline** for automated AutomationDesk test case generation.
- Implemented **frontend support** for configuration and orchestration of LLM-driven agent workflows.
- Supported **backend components** for reliable management, validation, and processing of LLM configurations.
- Integrated **test feedback loops** to improve GenAI-driven test generation and automation pipelines for the ADSS product.
- Collaborated with **cross-functional engineering teams** to maintain and extend product-level validation frameworks.

Machine Learning Intern

Physical Research Laboratory

Jan 2022 – Apr 2022

- Developed a neural network model incorporating hyperbolic equations, resulting in enhanced prediction accuracy and a 37% decrease in computational processing time, utilized libraries such as NumPy and Keras for optimal performance.

Languages

- English (Fluent - C1)
- German (Basic - A2, Currently Learning)
- Hindi, Gujarati (Mother Language)