

SHRIDIPA DHAR

GitHub: <https://github.com> — Portfolio: <https://portfolioshridipa.vercel.app>

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SUMMARY

Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning. I engineer automation solutions that increase workflow efficiency by 60% using neural networks and natural language processing. I lead technical projects within Agile environments and focus on building scalable machine learning models that solve real-world document processing and recommendation challenges.

EDUCATION

KIIT University, Bhubaneswar Bachelor of Technology in Computer Science (AI and ML)	Aug 2024 – May 2028
	CGPA: 8.63

Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Neural Networks, Deep Learning, Natural Language Processing, Database Management Systems, Discrete Mathematics, Operating Systems.

SKILLS

- **Programming:** Python, Java, C++, SQL, Bash shell scripting, HTML/CSS, JavaScript.
- **Machine Learning:** NLP, Deep Learning, Scikit-learn, PyTorch, Pandas, NumPy, Data Visualization, TensorFlow.
- **Tools/Frameworks:** Flask, Streamlit, UiPath Robotic Process Automation (RPA), Git, REST APIs, Agile Scrum.

PROFESSIONAL EXPERIENCE

Edunet Foundation & AICTE (IBM SkillsBuild) <i>AI/ML Intern</i>	Dec 2025 – Jan 2026
	<i>Remote</i>

- I **engineered** predictive machine learning models using Whisper and Hugging Face, which increased prediction accuracy by 18% across diverse benchmark datasets during my tenure.
- I **formulated** 15+ rigorous testing protocols for model validation, achieving a 95% verification rate while documenting technical architecture for seamless developer handovers.

UiPath Automation Project <i>Student Developer</i>	Jan 2025 – Jun 2025
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- I **spearheaded** an automation initiative within a 5-member team, identifying critical process bottlenecks to reduce manual effort by 30% through Robotic Process Automation.
- I **orchestrated** the development of three core automation modules using UiPath for seamless system integration.

PROJECTS

LecGen AI: Lecture to Study Material Tool	[GitHub Link]
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- I **built** a comprehensive machine learning tool that converts audio lecture recordings into structured study notes, reducing manual effort by 60% compared to traditional manual note-taking methods.
- I leveraged OpenAI Whisper for transcription and Hugging Face Transformers for automated summarization, deploying the final application as an interactive tool using the Streamlit framework.

MoodMorph: Sentiment Recommendation System	[GitHub Link]
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- I **designed** a recommendation engine that boosted product suggestion accuracy by 25% by implementing emotion-based sentiment mapping for individual user profiles and behavioral segments.
- I processed large-scale datasets using Random Forest to identify user patterns and personalize product delivery.

CERTIFICATIONS & ACHIEVEMENTS

- **Certifications:** UiPath Developer Associate (2026), Harvard CS50x Introduction to Computer Science, Harvard CS50 AI with Python (2025).
- **Achievements:** I achieved a **Black Belt in Karate (2024)** after 5+ years of training, demonstrating discipline. I also solved 100+ algorithmic problems during the **CodeSprint 2.0** marathon.