

THAKUR ASUTOSH DASH

Bhubaneswar, Odisha

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EDUCATION

Silicon University

B.Tech in Computer Science Engineering (CGPA: **9.24**)

SSVM, Neelakanth Nagar

12th (CHSE) — 92%

10th (CHSE) — 93%

Bhubaneswar, Odisha

2023 – 2027

Berhampur, Odisha

2021 – 2023

2020 – 2021

EXPERIENCE

IIT-ROPAR Winter Research Intern

Jan 2026 – Mar 2026

National Programme on Technology Enhanced Learning (NPTEL)— IIT Ropar

- Selected under **Prof. Sudarshan Iyengar**; built MERN stack foundations via guided implementation.
- Worked on full-stack case studies involving REST APIs, database integration, and frontend-backend communication.
- Implemented **Google Authentication (Sign-In)** in the PES project.

Sylogistek Systems Private Limited

BBSR, Odisha

Data Science, ML & Deep Learning Intern

Jun 2025 – Jul 2025

- Built end-to-end **ML pipelines** (EDA, preprocessing, feature engineering, evaluation) using **Python & Jupyter**.
- Analyzed **social media dataset** to predict **optimal posting time** for maximum engagement as final project

Python Programming & Applications Intern

Jun 2024 – Jul 2024

- Trained in Python (OOP, file handling, debugging) and worked with **Git**, **Postman**, and backend workflows.
- Built a **FastAPI-based RESTful Employee Management System** using SQLAlchemy with CRUD operations.

PROJECTS

LAVEN: Autonomous AI Portfolio Agent

[Live](#) | [GitHub](#)

- Built an autonomous **AI portfolio agent** for conversational access to projects, skills, and experience.
- implemented **RAG pipeline** with semantic search, session context, and real-time web research using **Selenium**.
- Developed backend with **FastAPI + Supabase (PostgreSQL, JWT)** and React-based UI.

AgentIO: Blog Writing Agent

[Live](#) | [GitHub](#)

- Built a **blog-writing AI agent** using locally hosted LLMs via **Ollama**, eliminating dependency on paid APIs.
- Integrated **DuckDuckGo (DDG) search** for real retrieval with source links included in generated blogs.
- Reduced **hallucinations** via prompt tuning and temperature control; FastAPI backend with persistent local memory.

RESUMYZER: AI-Backed ATS Resume-JD Analyzer

[Live](#) | [GitHub](#)

- Built an **AI ATS analyzer** for resume-JD alignment using **Gemini** for parsing, skill matching, and evaluation.
- Developed full-stack application with **React (Vite)** and **Supabase** for data handling.
- Enabled automated report delivery using **EmailJS**.

TECHNICAL SKILLS

Languages: Python, SQL

Frameworks: FastAPI, LangChain, LlamaIndex

Libraries: NumPy, pandas

Tools: Git, HuggingFace, Ollama

Domains: Machine Learning, Deep Learning, NLP, GenAI

EXTRA-CURRICULAR ACTIVITIES & ACHIEVEMENTS

Agentic AI Certification (Hugging Face): Built autonomous agent workflows (reasoning + tool orchestration) with strong GAIA benchmark performance using open-source LLMs. [View](#)

AI Fundamentals Certification (IBM SkillsBuild): Applied generative AI concepts, prompt engineering, and Python libraries with real-world and ethical AI practices. [View](#)

Achievement (RISE 2026): Secured **1st place** in Reverse Engineering at Silicon University (Achievers' Club). [View](#)

Student Mentorship: Mentored freshers (2024–28) on academics, course selection, and university onboarding. [View](#)