

SHOURYA DEWANSH

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EDUCATION

Pennsylvania State University

BSc in Computer Science, Minor in Finance

May 2028 (Expected)

USA

SKILLS

- **Languages:** Python, JavaScript, Solidity, SQL, HTML, CSS, Flask
- **Technologies:** Generative AI (Prompting, RAG), Web3, Firebase, MongoDB, REST APIs, Git, Tailwind CSS

WORK EXPERIENCE

Tata Communications Limited

June 2025 – Present

Project Trainee — Generative AI Use Case

Remote

- Designing and prototyping GenAI solutions for enterprise productivity using LLMs and prompt workflows.
- Working on use case evaluations involving retrieval-augmented generation (RAG), summarization, and knowledge management automation.
- Collaborating with AI strategy leads to evaluate feasibility and model performance across internal datasets.
- **Focus Areas:** Prompt Engineering, Use Case Design, RAG Pipelines, LLMs, Enterprise AI

Realecole

Dec 2022 – Jan 2023

Software Intern

India

- Refactored server routes and data calls to improve performance in a STEM learning portal.
- Designed pipelines to deliver adaptive content layouts using lesson interaction metrics.
- Participated in 2-week sprint cycles with QA feedback loops; improved load speed by 22%.
- **Stack:** Python, Flask, MongoDB, Git, Postman, REST APIs

PROJECTS

EcoChain – Carbon Credit Platform (HackPrinceton)

Spring 2025

- Developed smart contracts to tokenize carbon credits and enforce offset verifications on Ethereum.
- Integrated MetaMask auth; deployed on Sepolia using Hardhat for contract simulation and testing.
- Built a React.js dashboard for trading and offset history using Tailwind CSS and Web3.js.
- **Stack:** Solidity, React, Tailwind CSS, Hardhat, MetaMask, Sepolia

Pehla School – AI Tutoring Platform

Spring 2025

- Architected a hybrid tutoring portal with AI-driven lesson recommendations for underserved communities.
- Built backend with Flask and MongoDB; implemented RESTful APIs for lesson routing and progress tracking.
- Launched pilot with 120+ users across 2 regions through NGO partnership.
- **Stack:** Python, Flask, MongoDB, JavaScript, REST APIs

Teen Health Awareness Portal

Fall 2024

- Built a responsive platform to promote awareness about teenage eating disorders.
- Designed educational content layout and implemented mobile-first UX design.
- **Stack:** HTML, CSS, JavaScript, Google Analytics

CERTIFICATIONS

- Meta Front-End Developer Professional Certificate, Apr 2025
- IBM Generative AI: Prompt Engineering Basics, Jun 2025

COMPETITIONS

HackPrinceton

Spring 2025

EcoChain – Carbon Credit Platform

Princeton, NJ

- Built EcoChain MVP with tokenized carbon credits and offset analytics.
- Demoed solution to sustainability judges and received special mention for use-case applicability.