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[LinkedIn](#) • [Github](#) • [CodeChef](#) • [Codeforces](#) • [Leetcode](#)



PROFESSIONAL SUMMARY

Proficient in Python for data analysis, strategy development, and interactive app building.

EDUCATION

Bachelor of Technology (Artificial intelligence)	2024 - 2028
Newton School of Technology, Rishihood University	Grade: 8.35/10.0
Intermediate (Class XII)	2023 - 2024
Rajkiya Pratibha Vikas Vidyalaya	Grade: 84.8%
Matriculation (Class X)	2021 - 2022
Rajkiya Pratibha Vikas Vidyalaya	Grade: 93.8%

PROJECTS

World Immigration Dashboard, ([Github](#)) ([Demo](#)) May 2025

- **Tech Stack:** Python, Streamlit, Pandas, Matplotlib, SciPy
- **Description:** An interactive web-based immigration data explorer that visualizes global immigration trends from 1960 to 2024 using charts and statistical analysis.
- **Features:** Country-to-country comparison through area charts. PDF and CDF plots for detailed statistical insights. Top and bottom 10 countries ranked by mean immigrants. Dynamic data filtering and trend plotting with real-time chart updates.

Crypto Strategy Backtester using Python Pandas, ([Github](#)) May 2025

- **Tech Stack:** Python, Pandas, Matplotlib
- **Description:** A backtesting tool for crypto trading strategies using lagged correlation between anchor and target coins.
- **Features:** Signal generation based on BTC momentum, portfolio simulation with buy/sell logic, and performance visualization over time.

1-D Collision Simulator, ([Github](#)) ([Demo](#)) March 2025

- **Tech Stack:** Python, Pygame
- **Description:** A real-time 1D elastic collision simulator that models object collisions based on mass and velocity inputs, following conservation laws.
- **Features:** Real-time physics simulation with accurate collision modeling. Customizable mass and velocity inputs. Smooth visualization.

Capstone Project Website (Frontend Only), ([Github](#)) ([Demo](#)) December 2024

- **Tech Stack:** HTML, CSS
- **Description:** A static, responsive website created as a frontend capstone project. Focused on layout, design, and visual structure using HTML and CSS.
- **Features:** Responsive page sections, custom styling, clean design layout, and fully browser-compatible deployment via GitHub Pages.

SKILLS

Computer Languages: Python, JavaScript, CSS, HTML

Software Packages: Pandas, React

Soft Skills: Communication Skills, Public speaking

EXTRA-CURRICULAR ACTIVITIES

- National Baseball Player
- Nationals Yoga 1st Position
- State Lawn Tennis
- Cluster Basketball Player
- Zonal Swimmer