

# Swoyamjeet Sahu

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## Education

<b>Kalinga Institute of Industrial Technology</b> <i>B.Tech in Computer Science and Engineering (CGPA: 7.44 / 10.00)</i>	Expected Sep 2026 Bhubaneswar, Odisha
<b>Venkateswar English Medium School</b> <i>Senior Secondary (XII), Science, CBSE (Percentage: 71)</i>	2022 Bhubaneswar, Odisha
<b>Venkateswar English Medium School</b> <i>Secondary (X), CBSE (Percentage: 85.4)</i>	2020 Bhubaneswar, Odisha

## Experience

<b>AWS CLOUD VIRTUAL INTERNSHIP (Cohort 10), Virtual</b> <i>Intern</i>	Sep 2024 - Dec 2024 <i>Virtual</i>
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- Explored new technologies and approaches to streamline processes.

## Academic Projects

**COptimize** | *HTML, CSS, JavaScript, scikit-learn, Flask* | [🔗 COptimize](#)

- Developed a web-based tool to analyze C code and predict the most effective compiler optimization flag for performance improvement.
- Enabled users to upload or paste C code, which is parsed to extract static code features (e.g., LOC, loop count, conditional statements).
- Implemented a machine learning model to classify code and suggest flags like -O0, -O1, -O2, -O3, and -Ofast.
- Designed an intuitive frontend with real-time feedback and optimization suggestions.
- Deployed the application on Render, accessible via browser without local setup.

**WebDev Project in University** | *React.js, Tailwind* | [🔗 KExplore](#)

- Developed front-end of a responsive website using Tailwind CSS and React.
- Deployed the website using Vercel.
- Collaborated effectively within a team of developers.

## Technical Skills

**Languages:** HTML, CSS, JAVASCRIPT, PYTHON, JAVA

**Concepts:** Artificial Intelligence, Machine Learning, Database Normalization, Agile Methodology, Cloud Computing

## Social Engagements

**Member:** Of Keurig, KIIT FOOD SOCIETY, Bhubaneswar

## Certifications

**AWS Academy Graduate - AWS Academy Cloud Foundations**   [🔗 Certificate](#)

**AWS Academy Graduate - AWS Academy Cloud Architecting**   [🔗 Certificate](#)