

ASHUTOSH TRIPATHY

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Portfolio

Education

National Institute of Science and Technology

Bachelor of Technology in Computer Science - 8.5 CGPA

2020 – 2024

Berhampur, Odisha

Govt. Autonomous College

Intermediate

2018 – 2020

Rourkela, Odisha

Adarsha Vidya Mandir

Matriculation

2018

Rourkela, Odisha

Experience

Devops Enthusiast with python automation

Self-practice

September 2022 - Present

- Architected and implemented robust APIs using Flask and Django frameworks.
- Orchestrated Docker containerization and CI/CD pipelining for cloud deployment, enabling seamless scaling of applications; reduced deployment time by 40 percent and increased system reliability by 25 percent.

Skills

Languages: Python (Data structure and algorithm), Java, Rust, C,

Frontend: Html, SCSS, Javascript

Backend: Flask, Django

Database: SQL, MongoDB, Postgre SQL, Oracle DB

Devops: Docker, Git, Kubernetes, Jenkins, AWS/GCP tools, Ansible

Projects

Priority Task Scheduler / Python, Django, Docker

February 2024

- Orchestrated the integration of advanced Data Structures and Algorithms. Introduced a Priority Queue to optimize task prioritization, augmented by efficient sorting algorithms. The result was a 15% improvement in task management efficiency.

Realtime Collaborative Whiteboard / Python, Flask, Websocket, Javascript, SQLAlchemy

August 2023

- Spearheaded the implementation of real-time communication and interactive UI using Websocket and JavaScript within a Flask backend, resulting in a 20% decrease in customer support requests and heightened user engagement.

Library Management System / Python, Flask, Numpy, Pandas, Docker

March 2023

- Engineered an online library with a collaborative filtering algorithm for personalized book recommendations, boosting user engagement by 40%.

Blog Page / Python, Django

December 2022

- Architected a user-centric blog platform for content creation, sharing, and engagement; incorporated features like liking, commenting, and user following.

Product Recommender / Python, ML, Streamlit

September 2022

- Developed an advanced movie recommendation system integrating Python and ML algorithm leveraged data insights to craft tailored movie recommendations, resulting in a 25% rise in user satisfaction.

Github Profile Finder / Html, CSS, Javascript

July 2022

- Developed an online platform that fetches user data from the GitHub API, displays user details, and provides a direct link to the searched user's GitHub account.

Certifications

NPTEL: Python for Data Science, Cloud Computing

Oracle: Oracle Certified Foundation Associate

Hackerrank: Java, SQL

Activities

Cloud Computing Club

Spring 2022 – Present

Cloud Developer

National Institute of Science and Technology

- Led application development and deployment on cloud servers, including AWS and GCP.
- Managed an executive board of 30 members and organized workshops on application hosting on Amazon Web Service.