Ashutosh Tripathy

Rourkela, Odisha, India

📞 +91 9078998913 ✉ tripathyashutosh08@gmail.com in AshutoshTripathy9 ⌂ AshutoshTripathy21 Portfolio

Education

National Institute of Science and Technology   **2020 – 2024**
Bachelor of Technology in Computer Science - 8.5 CGPA   *Berhampur, Odisha*

Govt. Autonomous College   **2018 – 2020**
Intermediate   *Rourkela, Odisha*

Adarsha Vidya Mandir   **2018**
Matriculation   *Rourkela, Odisha*

Experience

Devops Enthusiasist with python automation
Self-practice   *September 2022 - Present*

- Proficient in Python with expertise in Flask and Django for application development.
- Implemented Docker containerization and CI/CD pipelines for cloud deployment, reducing deployment time by 40 percent and increasing 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 percent 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 percent decrease in customer support requests and heightened user engagement.

Library Management System | *Python, Flask, Numpy, Pandas, Docker*   **March 2023**

- Engineered an online library platform with user authentication, prominently featuring a collaborative filtering algorithm for a dynamic book recommendation system. Secured the application through Docker containerization, ensuring a robust and scalable architecture.

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 based on data analysis and user preferences.

Github Profile Finder | *Html, CSS, Javascript*   **July 2022**

- Designed an online platform utilizing GitHub API to fetch user data.

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.