Ashutosh Tripathy

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# 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*

* 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% and increased system reliability by 25%.

# 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.