

SWATI NATH

swatinath002@gmail.com | +91 9827274268 | Bhubaneswar, Odisha

[GITHUB](#) | [PORTFOLIO](#) | [LINKEDIN](#)

EDUCATION

SILICON UNIVERSITY

Aug 2021 - June 2025

BACHELORS COMPUTER SCIENCE AND ENGINEERING

Bhubaneswar, Odisha Cgpa: 9.7

SKILLS

PROGRAMMING LANGUAGES: C, Python, SQL, JavaScript

WEB TECHNOLOGIES: HTML, CSS, Bootstrap5, Django, React, Node JS

DEVOPS: AWS, Docker, Kubernetes, Jenkins, Git, GitHub

EXPERIENCE

INGENIUOS-TECH | DEVOPS

Aug 2022

Configured webserver and database server with load balancing, autoscaling and SSL configuration resulting in 30% improvement in application availability. Hosted a static website reducing hosting costs by 25%. Discussed challenges, new technologies and industry practices. Deployed and managed containerized applications using Docker. Built CI/CD pipeline using Jenkins, Kubernetes and Argo CD leading to 40% improvement in release frequency.

FULLSTACK DEVELOPMENT | DJANGO, MERN

June 2023-24

Front end development using HTML, CSS, Bootstrap 5, ReactJS, improving user engagement. Backend development using Django, NodeJS resulting in 25% reduced server response time. Utilized SQLite3, MongoDB databases, achieving a 30% reduction in query time. Implemented microservice architecture to improve resource utilization.

PROJECTS

SILIKART: RENTAL WEBSITE | [LINK](#)

June 2024

- A rental website to cater the needs of engineering supplies for students
- Techstack: Frontend - HTML, CSS, Bootstrap5, ReactJS; Backend – Node.js, Express.js; Database – MongoDB; Authentication – JWT, State management – Context API; Security – Bcrypt, CORS
- Functionalities – user signup, login (auth using JWT token), protected routes, products page, cart (using custom middleware), token management using Context API, user profile, responsive design

ONLINE BOOKSTORE | [LINK](#)

July 2023

- An online bookstore where users can register and login to buy books from a wide range of options, add reviews and ratings for books purchased.
- Techstack: Frontend - HTML, CSS, Bootstrap5; Backend – Django; Database – SQLite3
- Functionalities – admin panel, user signup, login, form and auth mgmt. using Django(inbuilt), home, about and books page, cart (using session mgmt.), order tracking, protected routes, automate emails, pagination

AWS EKS Cluster Automation with Terraform | [LINK](#)

June 2024

- Automated AWS EKS cluster creation using Terraform, including VPC, IAM roles, and worker nodes.
- Implemented auto-scaling for worker nodes. Used S3 and DynamoDB for state management, ensuring reliable and efficient deployments. Reduced infrastructure deployment time by 40% through Infrastructure as Code (IaC) practices

CERTIFIED COURSES

- Google Cloud Study Jam 2023 by Google Cloud (Oct 2023)
- Ethical Hacking by NPTEL (Sept 2023)
- Full stack development in Django (July 2023)
- Data Science for Engineers, NPTEL (Sept 2022)
- AWS Masters by Ingenious Tech (August 2022)

CURRICULARS & EXTRA-CURRICULARS

- Events Lead, Google Developer Student Clubs, SITB – 2023
- Office Bearer, SWITCH (Coding and Technical club) and ISTE, SITB – 2023
- Finalists in Ideate, Bidding Wars in EFEST 5.0
- Branch Topper (CSE) -2022