

SWAYAMSIDDHA SAVEKAR

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EDUCATION

Government Polytechnic College

Diploma- Computer Engineering - 7.83 CGPA

May 2022

Ideal Institute Of Technology

B.E- Computer Engineering - 7.30 CGPA

June 2025

PROJECT

Diabetes Prediction ML Model

- Developed a **Diabetics Prediction Model** using a **Random Forest Classifier** trained on the Pima Indians Diabetes Dataset.
- Built REST API using **FastAPI** to serve real-time predictions with JSON input.
- Containerized the application with **Docker**, enabling reproducible and portable deployments.
- Deployed the API to **Kubernetes**, demonstrating **scalable and cloud-ready infrastructure**.
- Practiced **DevOps & MLOps workflows**: virtual environment management, dependency isolation, version control with Git, and CI/CD readiness.
- **Technologies & Tools:** Python, Docker, Kubernetes, FastAPI, Git, GitHub, Python, Virtual Environments, MLOps

Quick Loan Application

- Hosted backend services on **Amazon EC2**, providing scalable and reliable compute infrastructure.
- Implemented **Elastic Load Balancer (ELB)** with **target groups** to route traffic intelligently to healthy EC2 instances, ensuring high availability and fault tolerance.
- Used **Amazon RDS** for secure and efficient management of structured data such as user profiles, loan applications, and transaction logs.

SKILLS

- Technical Skills (HTML , CSS , SQL)
- AWS Services (EC2 , VPC , Lamda , Cloud Formation , IAM , RDS , Route 53 , Elastic Beanstalk)
- Linux
- DevOps Tools (Git,Github,Docker,Kubernetes,Terraform,Jenkins,Ansible,Prometheus,Grafana)

CERTIFICATIONS

- Amazon Web Services [Ethan's Tech] Jan 25 - Apr 25
- Cloud Computing [acmegrade] July 24 - Aug 24
- DevOps Tools [Ethan's Tech] Jun 25 - Aug 25

LANGUAGES

- Marathi
- English
- Hindi
- Gujarati