

# UJJWAL PINGLE

Sant Tukaram Nagar, Pimpri, Maharashtra

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## Education

**Dr. D. Y. Patil Institute of Technology**

*B.E. - Computer Engineering*

**Sept 2022 – June 2026**

*Pune, Maharashtra*

**Horizon Academy**

*SSC 87.40%*

**2020**

*Nashik, Maharashtra*

**Shri Pramod Patil Junior College**

*HSC 70.33%*

**Aug 2020 - June 2022**

*Nashik, Maharashtra*

## Projects

**CI/CD Pipeline Implementation for Django To-Do Application | Jenkins, GitHub, AWS**

**October 2024**

- Developed a Jenkins-based CI/CD pipeline to automate the build, test, and deployment processes, reducing manual intervention and ensuring consistent delivery.
- Integrated GitHub with Jenkins to enable automated deployments upon code commits, facilitating continuous integration and enhancing team collaboration.
- Utilized AWS services to provision and manage infrastructure, ensuring reproducibility and minimizing configuration errors.
- Monitored pipeline performance and proactively identified issues to enhance overall efficiency and reliability.

**Autoscaling of Web Application on AWS | AWS CloudFormation, AWS Auto Scaling, CloudWatch**

**October 2024**

- Designed and deployed a scalable web application on AWS, ensuring high availability and seamless performance during traffic surges.
- Developed reusable AWS CloudFormation templates to automate infrastructure provisioning and configuration.
- Configured AWS Auto Scaling Groups to adjust compute resources based on predefined CloudWatch metrics such as CPU utilization.
- Implemented health checks to automatically replace unhealthy instances, maintaining application uptime.
- Monitored application performance with AWS CloudWatch, setting up alarms to trigger scaling events for optimal resource utilization.

**Cloud-Native Monitoring App | Python, Flask, Docker, AWS EC2**

**July 2024**

- Built a Python application using Flask to monitor system metrics.
- Containerized the app with Docker and managed the container.
- Deployed the app on AWS EC2 for scalable management.

## Technical Skills

**Languages:** Python, C++

**DevOps:** Git, GitHub, Bash Scripting, Docker, Jenkins

**Cloud Platforms:** Beginner in AWS (EC2, S3, IAM, Auto-Scaling)

**Containerization:** Basic understanding of Docker and Jenkins

## Certifications and Achievements

**AWS Cloud Practitioner Essentials** *Completed a comprehensive course covering core AWS services, cloud concepts, security, and pricing models.*

**Getting Started with DevOps on AWS** *Hands-on experience with AWS services (EC2, S3, IAM, etc.) for automation and scalable deployments.*

## Extra-Curricular Activities

**AWS APAC Solutions Architecture Virtual Experience Program on Forage - August 2024** *Gained hands-on experience with cloud architecture, deployment, and scaling solutions.*

**Amazon WoW: Unconventional Tech Campaign II - System Development Engineer Role** *Attended sessions focused on innovative tech roles and AWS development tools.*

**100DaysOfCode Challenge** *Engaged in daily coding practice to improve problem-solving and algorithmic thinking.*