MAYANK JANGIR
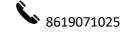
✉ jangidanshu184@gmail.com   📞 8619071025   github.com/mayankjangir23

in   www.linkedin.com/in/mayank-jangir-65663025a

Education

LBS internation school, shirmadhopur, sikar,10th – 81%,12th – 92.20%
Poornima College Of Engineering, Jaipur -BTech (computer science)

Core Competencies

- Team work
- resilient under pressure with a problem solving mindset
- clear and effective communication
- Deadline-oriented with excellent task prioritization skills

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Tech Skills

- **Languages**- Python, C++,C, JAVA
- **Frontend** – HTML, CSS, Tailwind CSS
- **Linux & CLI** – Shell Scripting, CLI Tools , System Administration
- **Tools**- Git And Github
- **Devops Tools** – Docker, Kubernetes, Jenkins, Ansible, CI/CD
- **AWS Cloud Native**
- **ML/AI Experties**

Internships

Regex Pvt Ltd(2 month)

AWS cloud computing using multiple services like AWS EC2, S3, Lambda, SNS and many more

Linux world(2 months)

Python, Devops, Cloud Computing, Agentic AI, Machine learning, CloudOps, MLops, AIops, Automation

Certifications & Projects

- NPTEL certification for python
- **Cloud project** - **Automated S3 Duplicate File Removal System**
  My cloud project automates the deletion of duplicate files stored in an S3 bucket by integrating Lambda service with SNS and CloudWatch .I utilized Lambda to create a event with a Boto3 script in Python, which includes a function to detect the unique hash of each file and delete files with the same hash value.

- **DevOps project- Flask App Development, deployment and monitoring**

  Create a basic Flask app with:
- / → returns "Hello World from Purwanshi Mishra"
  /compute → triggers a CPU-intensive task (factorial calculation)

  Run this app using: Gunicorn + Nginx
  Configure a SystemD service file to keep the Flask app always up

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  Automation with Crontab

- Created a crontab entry that hits /compute endpoint every minute
- Using a script to trigger the request

  CI/CD with Jenkins
- Created a Jenkins pipeline that:
  - Clones the Flask app repo
  - Sets up dependencies
  - Restarts the SystemD service
  - Triggers a test hit on / endpoint

Extra achievements

Patent pending on "IoT based Humidity Triggered Automatic Fan"