E-mail attack detection, prevention, and threat hunting. Automated Phishing Detection with NLP -> (sublime)

- **Description**: Train an NLP model to detect phishing emails by analyzing text, URLs, and metadata. Deploy as a serverless API on Google Cloud.
- **Tech Stack**: BERT/Transformers, FastAPI, Google Cloud Functions.
- **Skills Demonstrated**: NLP, cybersecurity, cloud deployment.

Aadhar UID Masking -> (devansh)

Multi-Cloud Disaster Recovery System

- **Description**: Design a cross-cloud backup solution (AWS + Azure + GCP) with automated failover and recovery testing.
- **Tech Stack**: Terraform, Kubernetes, Python.
- **Skills Demonstrated**: Multi-cloud architecture, IaC, resilience.

Zero-Trust Authentication for Remote Work

- **Description**: Implement a zero-trust authentication system using biometrics (face recognition) and behavioral analytics (keystroke dynamics).
- **Tech Stack**: OpenCV, React.js, OAuth 2.0, Redis.
- **Skills Demonstrated**: Cybersecurity, MFA, modern authentication.

Cloud-Based Secure File Storage with Hybrid Cryptography

Implement a system using AES-256 and RSA algorithms for encryption, deployed on AWS/Azure. Integrate machine learning to detect unusual access patterns

Zero-Trust Authentication for Cloud APIs

Implement OAuth 2.0 + OpenID Connect with biometric verification (facial recognition via TensorFlow) for securing REST APIs hosted on cloud platforms

Skills Evaluated : API security, biometric authentication, cloud deployment.

Health Monitoring and Analytics Platform

- Develop a system for collecting and analyzing health data
- Create secure APIs for integration with wearable devices
- Implement ML models for health anomaly detection

- Design intuitive dashboards for patients and healthcare providers