# High Level Architecture of ChatGPT created Threat Model

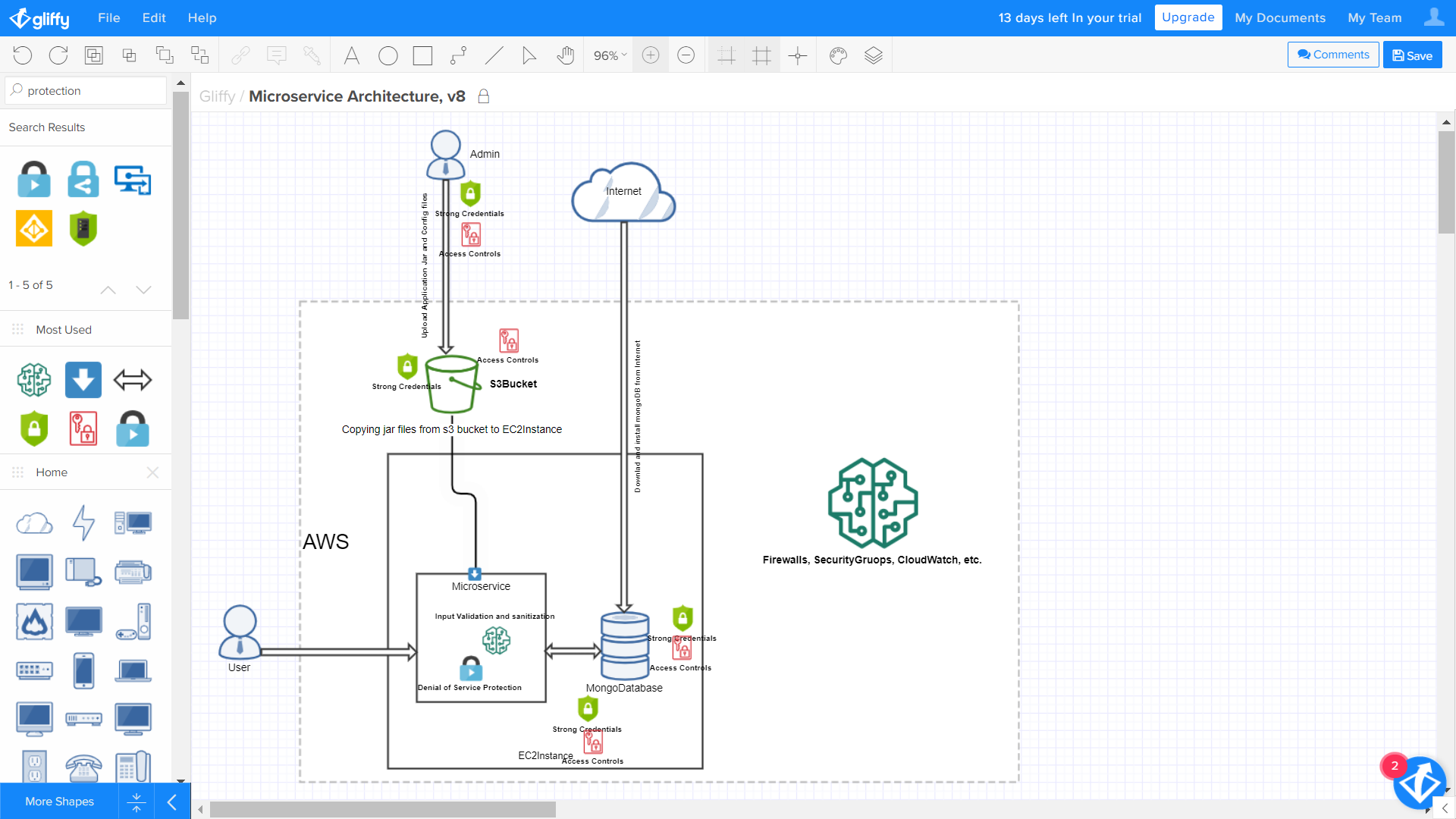
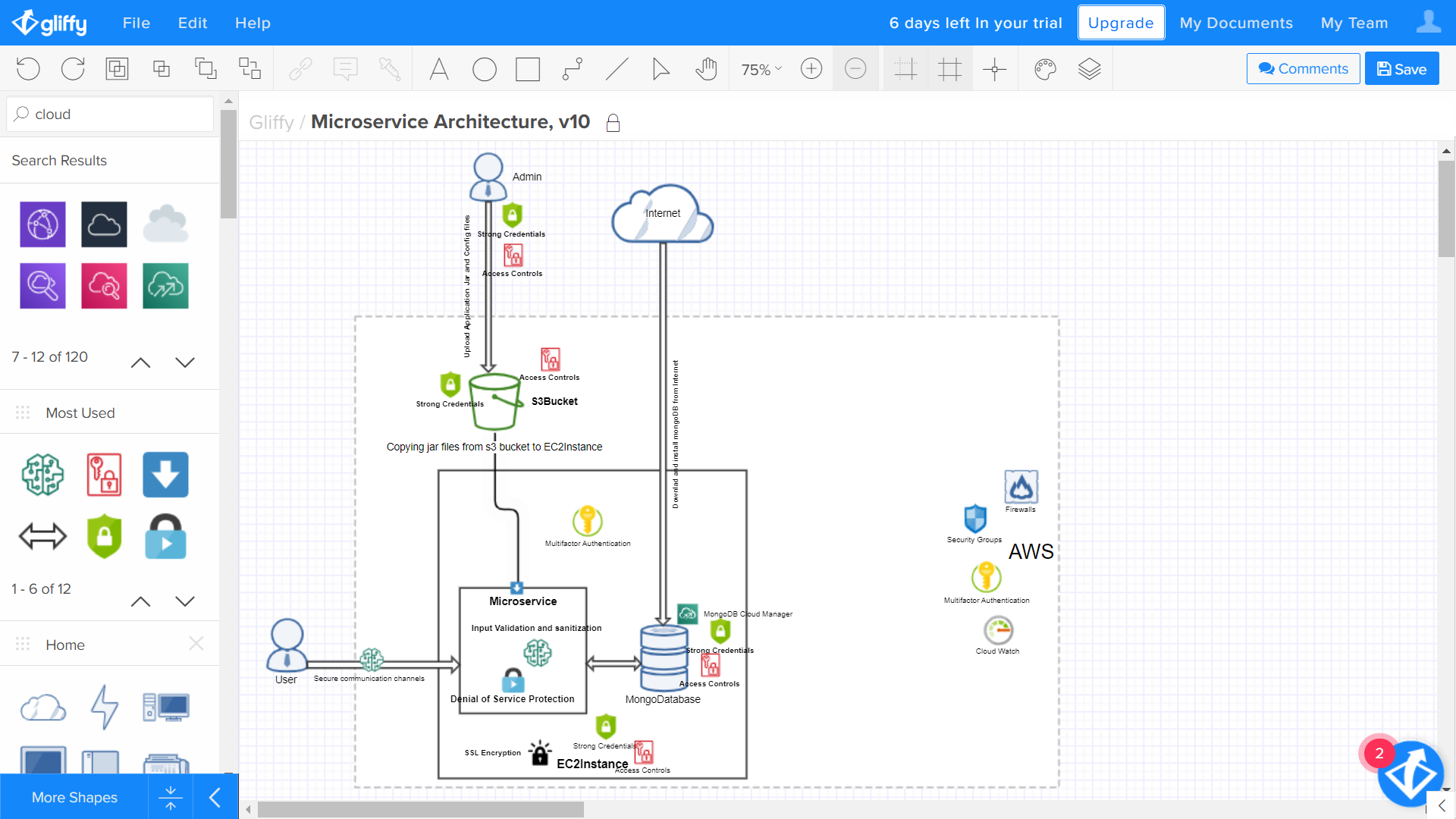
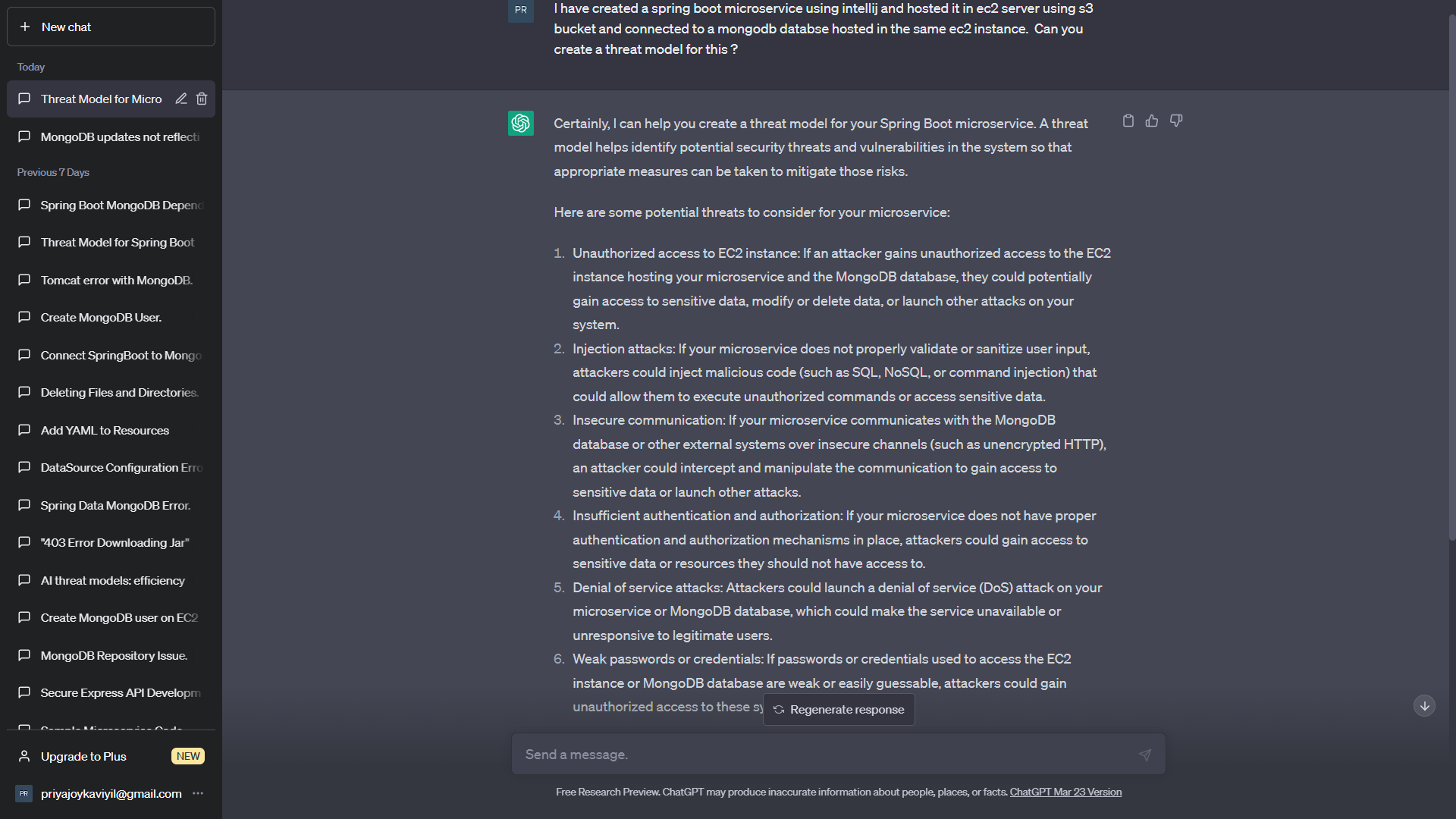
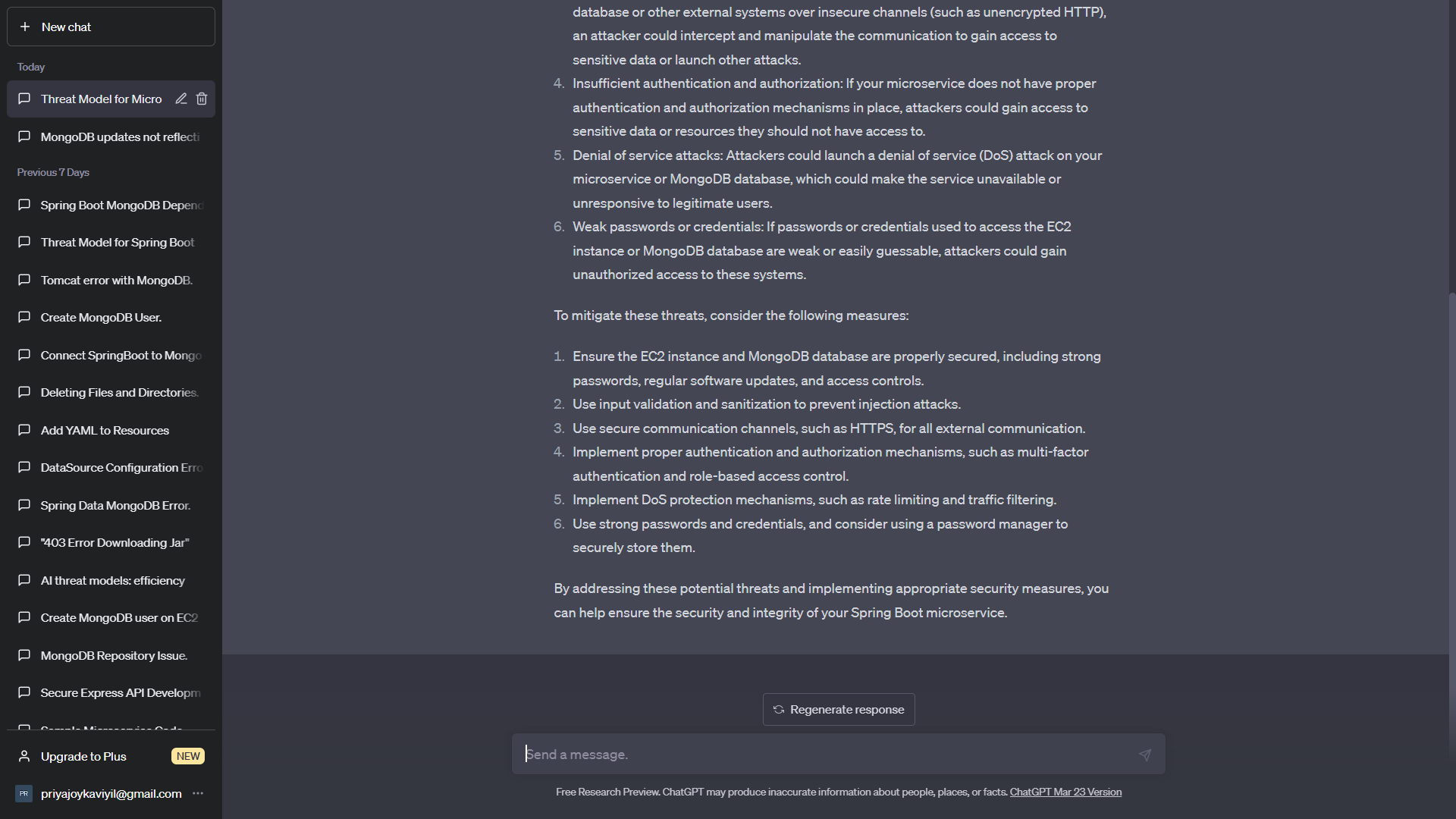


Figure : High Level Threat Model Diagram



## Asking ChatGPT to create a threat model for my microservice application





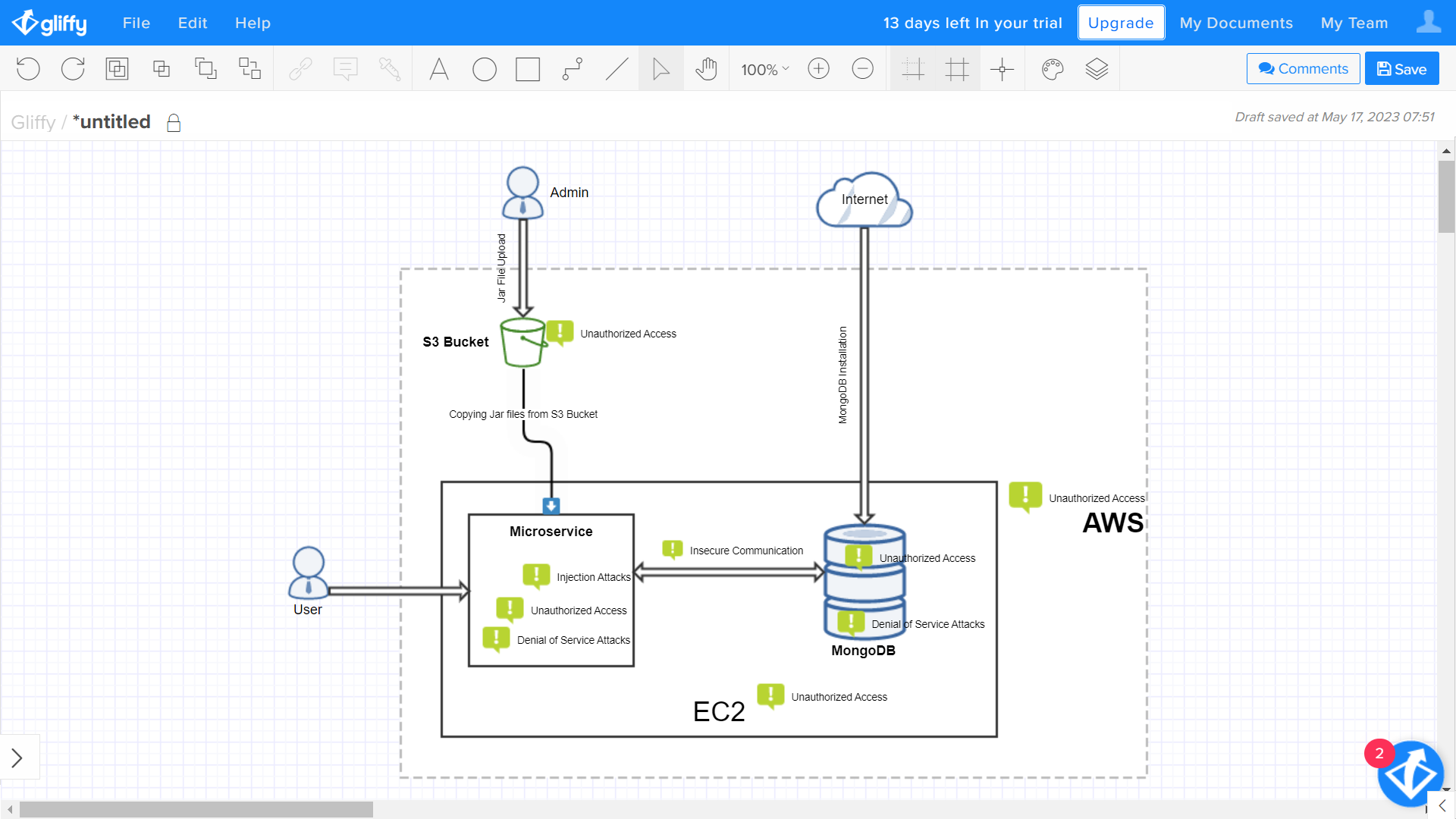
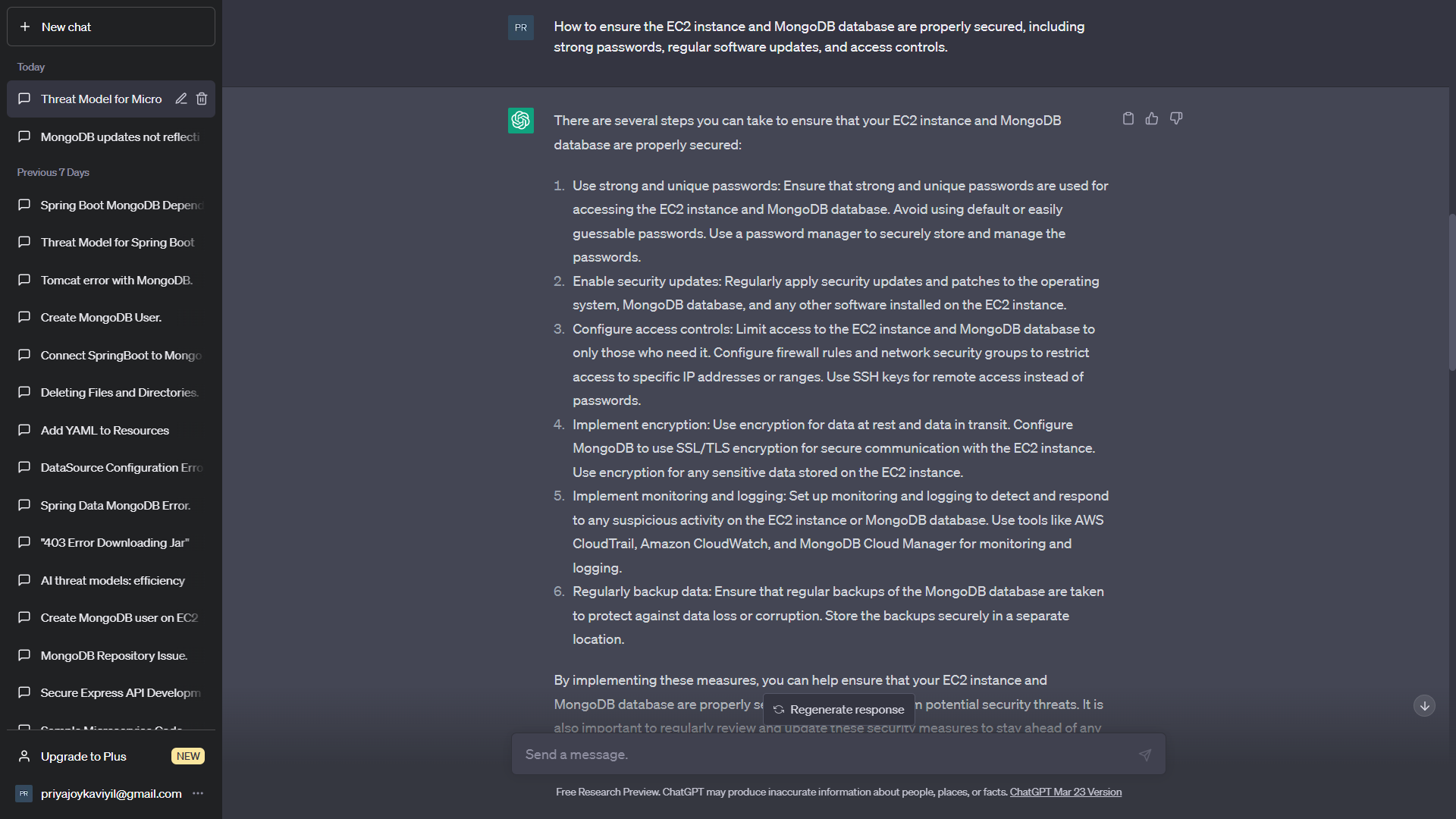


Figure : ChatGPT Created Threat Model

## Ensuring the security of EC2 instance and Mongo DB instance



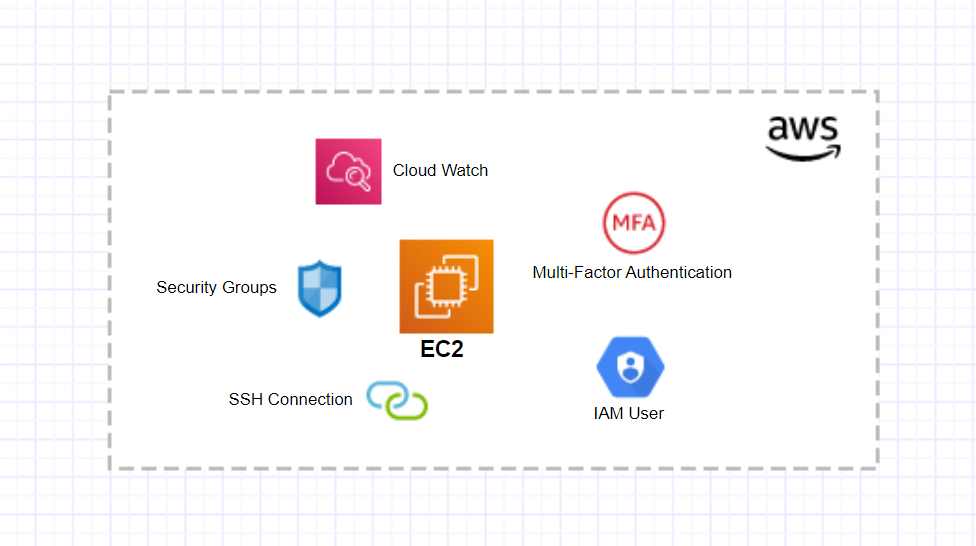


Figure : EC2 Threat Mitigation

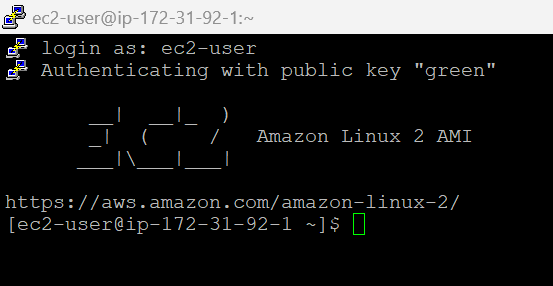


Figure : SSH connection using putty

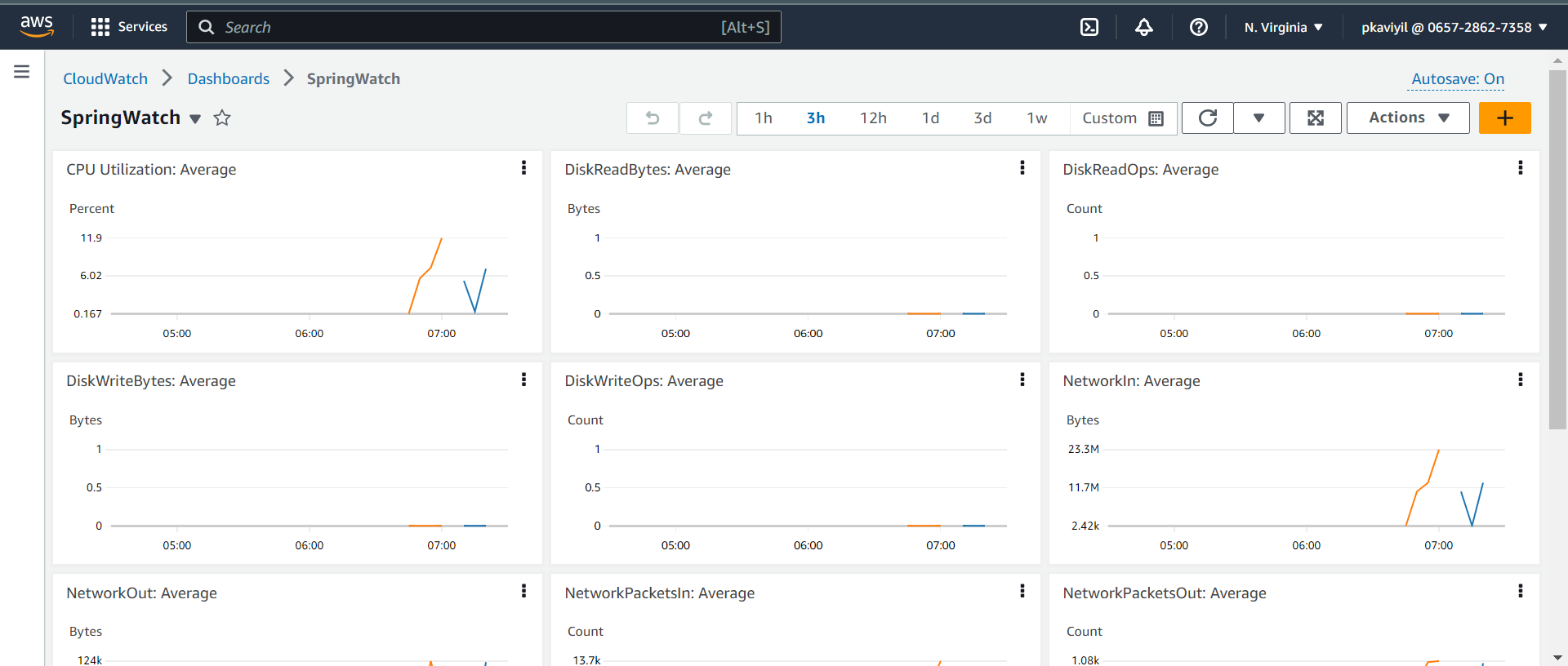


Figure : CloudWatch Monitoring

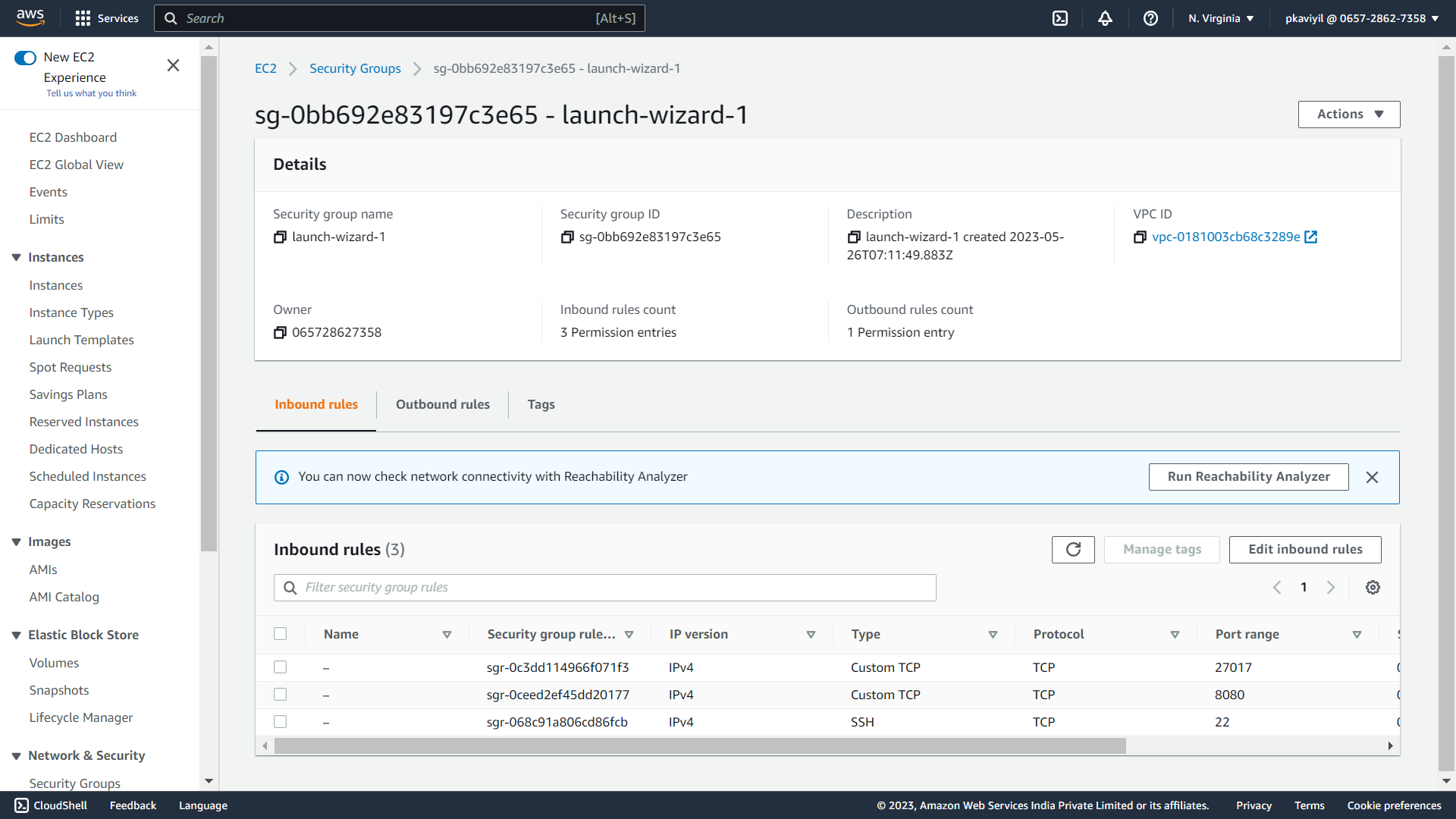
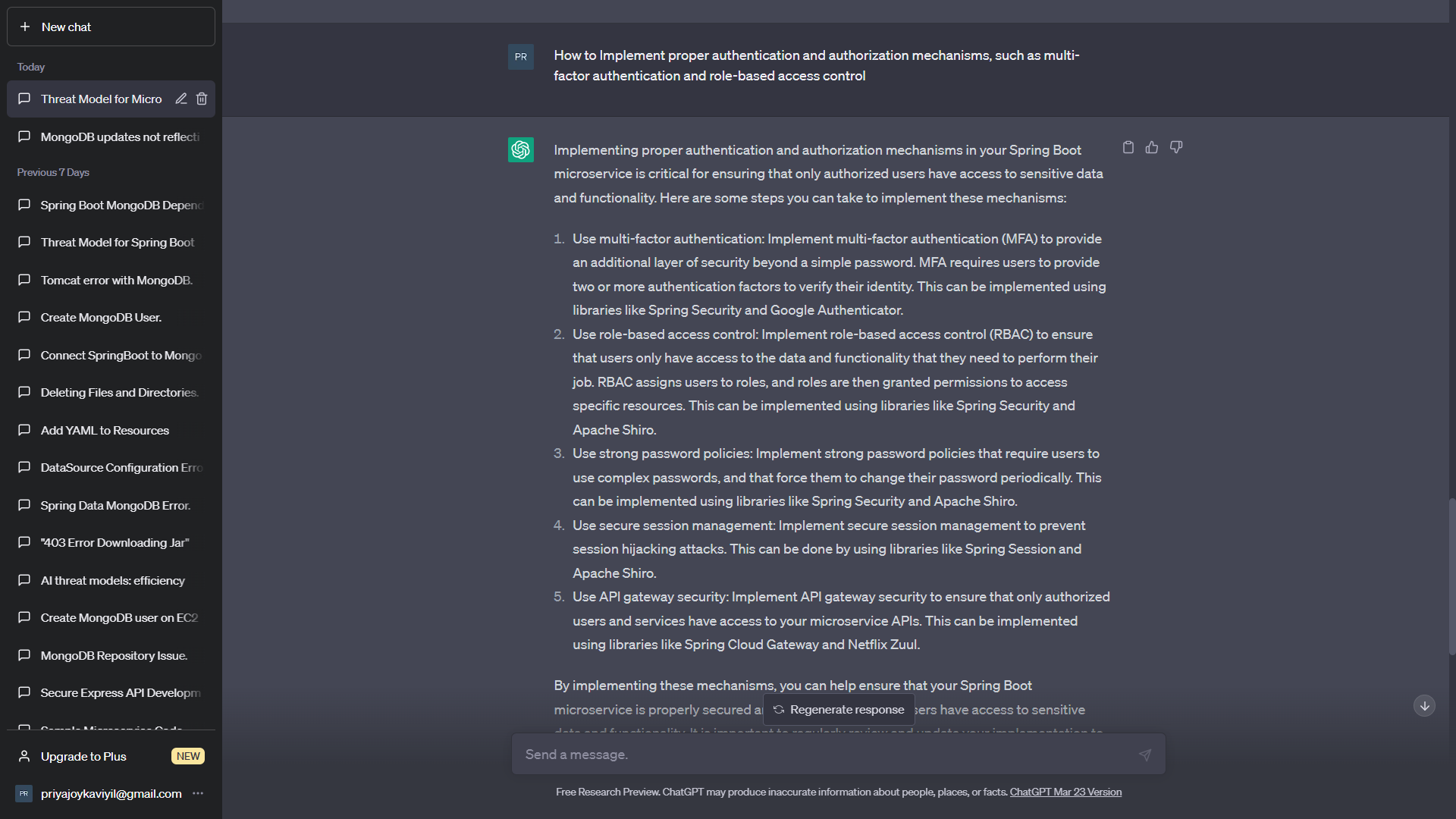


Figure : Security Groups

## Implementing multi-factor authentication and role-based access control



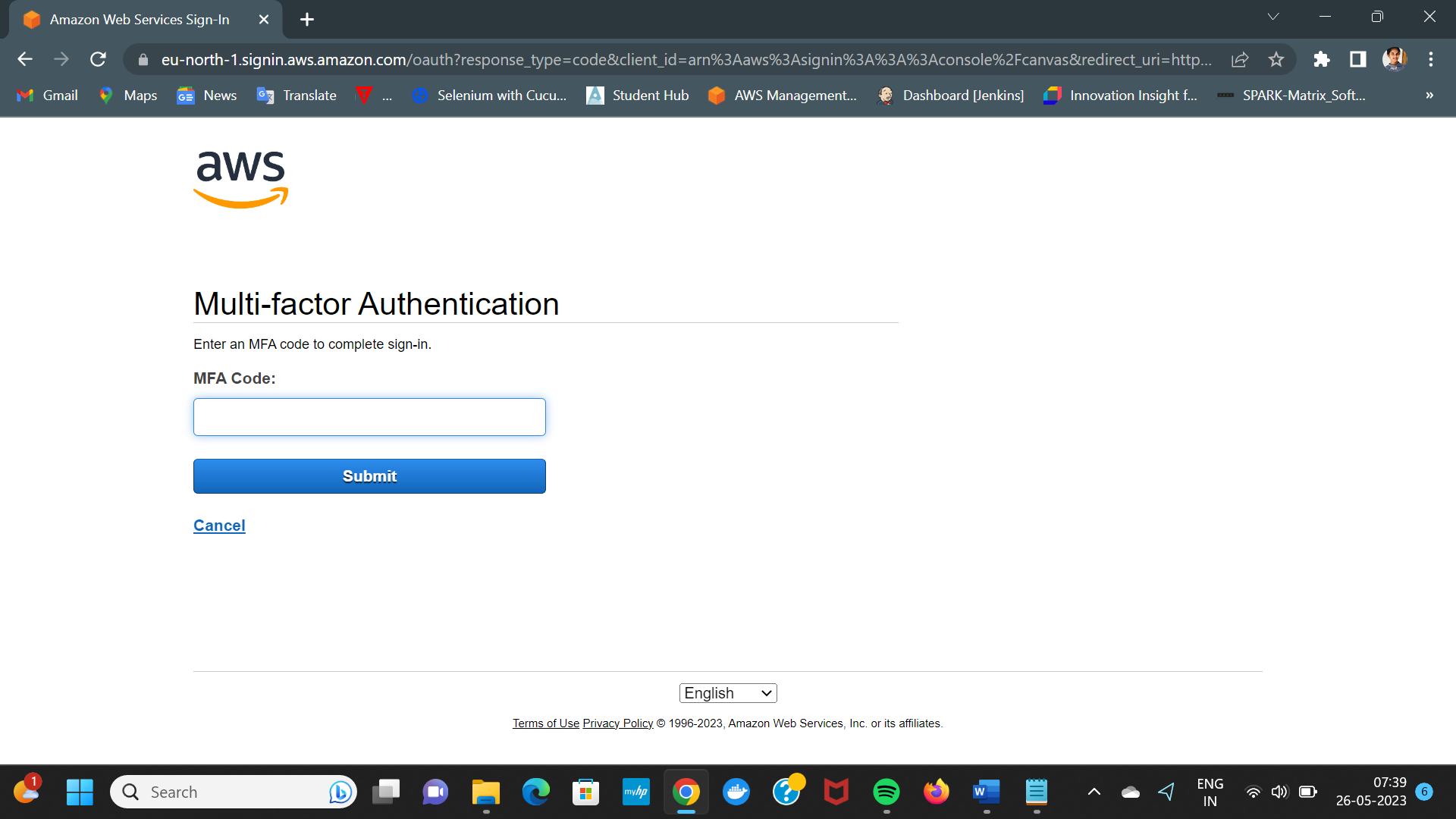


Figure : MFA Authentication

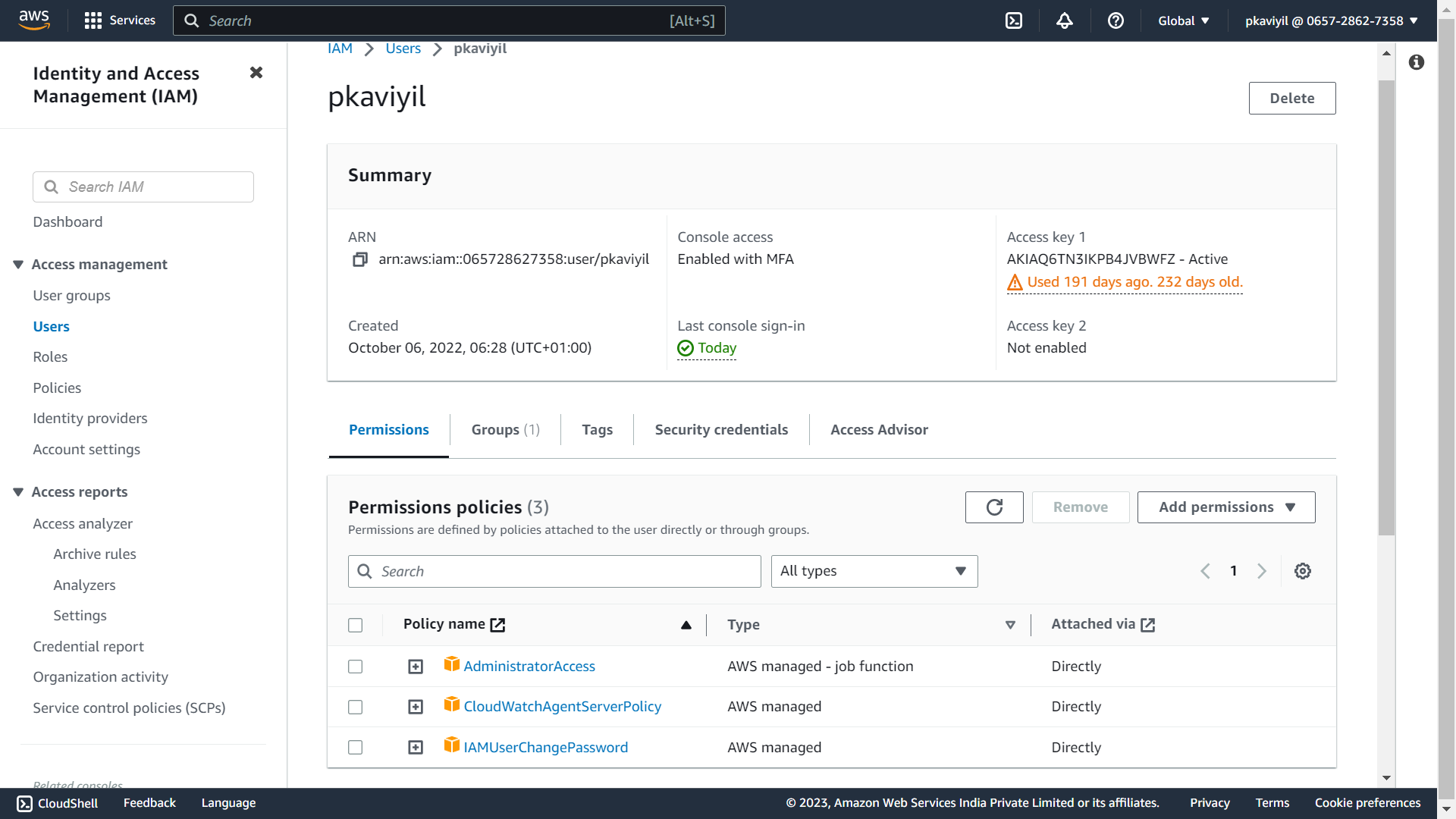
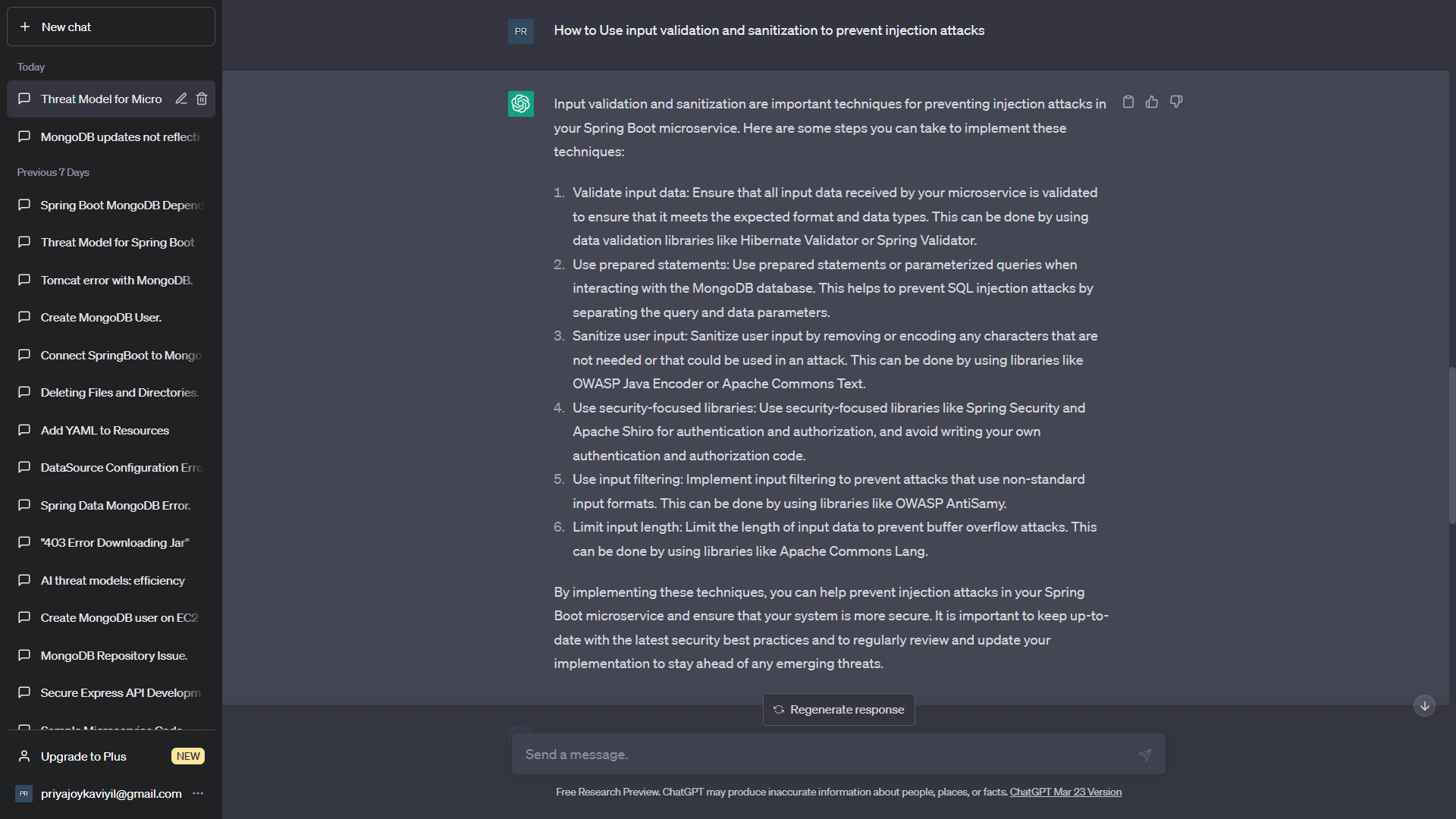


Figure : IAM user

## Using input validation and sanitization to prevent injection attacks



## Implementing DoS protection mechanisms, such as rate limiting and traffic filtering

