

Praneeth Mikkilineni

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Education

Masters in computer and information sciences, **George Mason University, Virginia** GPA:3.67/4.00

May 2024

Bachelors in computer science and engineering, **Vellore Institute of Technology, India** GPA:8.52/10.00

May 2022

Experience

Cyber Security Engineer Intern-Remote, Virtually Testing Foundation, California, USA | May 2022 – Jul 2022

- Learned about cybersecurity frameworks, OSINT, fundamentals of cloud and web application security.
- Review project documents or any operational efforts.
- Collaborate with partners, vendors and customers to implement new controls and resolve existing issues.

Penetration Testing Intern-Remote, Virtually Testing Foundation, California, USA | Oct 2021 – Dec 2021

- Worked on vulnerability exploitations.
- Learnt about OWASP top 10 and worked on web-application penetration testing as well as professional management.
- Performed manual application security testing on the everyday changes carried out in the project.

Web Development Intern-Remote, The Sparks Foundation | Nov 2020 – Dec 2020

- Developed a web application named “Basic Banking System” using HTML, CSS and Java Script. The purpose of the application is to enable the users to access the user information available in the database and display the transactions for each user.
- Hosted the web application to the cloud to boost the web application productivity and efficiency.

Skills

- **Programming Languages:** Java, JavaScript, HTML, CSS, SQL
- **Additional Tools:** MS Excel, MS Power Point, MS Word, WordPress
- **Network Software:** Cisco Packet Tracer, Nmap, Wireshark
- **Hardware:** Raspberry Pi, Arduino, Beagle Bone Black
- **Cloud Platforms:** AWS (EC2, S3, IAM, CloudWatch, CloudFront, CloudTrail, SQS, SNS, Kinesis, RDS, Aurora, DynamoDB, ECS, EKS, Fargate), Microsoft Azure, Google Cloud

Projects

Continuous Deployment and Integration Using AWS Pipeline and S3 Storage Solutions | Apr 2024

- Configured an S3 bucket for static website hosting with automatic deployment capabilities.
- Developed and implemented an AWS Code Pipeline to continuously deploy code changes from GitHub to S3.
- Automated the deployment process to ensure immediate updates to the static website upon code changes in the repository.

Personal Resume Website Hosting on AWS | Mar 2024

- Deployed a personal resume website using HTML, CSS, and JavaScript on Amazon S3 with static website hosting and public access.
- Configured domain name registration through an external registrar and managed DNS with AWS Route 53.
- Acquired and set up an SSL/TLS certificate using AWS Certificate Manager for secure HTTPS access.
- Created an Amazon CloudFront distribution pointing to the S3 bucket, applying the SSL/TLS certificate.
- Enhanced website performance with CloudFront's caching and global content distribution.

Prevention and detection of phishing attacks on social media websites | Dec 2020 – May 2021

- Developed a phishing tool to simulate attacks by imitating legitimate individuals or entities through email and other communication mediums.
- Implemented phishing attack prevention strategies using the Wireshark tool for network traffic analysis and intrusion detection.
- Analysed and mitigated phishing threats on social media platforms by monitoring and intercepting malicious activities in real-time.

Smart Locker using Arduino Uno | Jul 2019 – Nov 2019

- Designed a secret knock-based detecting door lock using Arduino platform which will open the lock when the knocking pattern matches with the saved pattern.

Certifications

- Preparing for AWS “**Solutions Architect**” Associate – Amazon Web Services (AWS).
- AWS “**Certified Cloud Practitioner**” Fundamental – Amazon Web Services (AWS).
- NASSCOM Certification for “**Security Analyst (SSC/Q0901)**” conforming to National Skill Qualifications Framework Level 7.