ASHWIN BALAJI DHANDAPANI

Boston, Massachusetts–02119, USA   **Contact No:** 6692827275
Email: dhandapani.as@northeastern.edu   **GitHub** - https://github.com/ashwn7
LinkedIn: https://www.linkedin.com/in/ashwin-balaji-dhandapani   **Website** - https://ashwn7.github.io/ashwinBalajiDPortifolio/

TECHNICAL SKILLS & CERTIFICATIONS:

- **Programming Languages** – Java, Python, JavaScript, HTML/CSS
- **Framework** – Django, Flask, node.js, React, .NET, Spring, Spring Boot
- **Cloud** – Azure, AWS
- **Operating Systems –** Linux, Windows, MacOS
- Git, REST API
- **Software Testing** –
  - Automated Testing - Selenium TestNG Framework
  - Unit Testing – Junit, chai.js
- **Information Security** –
  - DevSecOps Implementation - SAST – SonarQube, familiar with Checkmarx
  - DAST – OWASP ZAP
  - Application Penetration Testing - Burp Suite, OWASP ZAP, Nmap, Metasploit

WORK EXPERIENCE

Engineer, Gavs Technologies Pvt Ltd, Chennai, India   **Feb 2020 – Aug 2021**

- Developed automation for infrastructure and application security scan for scan tools like AppSpider and InsightVM using TDD approach which reduced the manual intervention by almost 85 %
- Collaborated with Security Operation Center team to develop a dashboard (Demo) showcasing the compliance of the Endpoints by leveraging the REST API features of the EDR
- Partnered with Development and DevOps team to build a secure application by providing Security Recommendations for applications components as per OWASP standards for API security, recommending secure DevOps practices for branch security configuration and logging and tracking the implementation of the same
- Participated in code reviews and provided better solutions whenever possible as a member of the security team and as a developer
- Integrated Static Application Security Testing and Dynamic Application Security Testing tools to the CI / CD pipeline and thereby decreasing the security vulnerabilities found by almost 60 % during the pre-release manual penetration testing step
- Carried out VAPT on the application during each release and worked with the developers to fix the issues.
- Performed periodical VAPT (both as an internal and external Penetration tester) and documented the issues based on the severity so that the management and technical team can understand the issues and take necessary actions
- Demonstrated Passwordless authentication of an application using Azure AD in an organizational level townhall attended by clients and co-workers

Application Development Associate, Accenture Solutions, Chennai, India   **Feb 2018 – Jul 2019**

- Collaborated with Business Analysts and Developers to understand the new feature to create a comprehensive Test Design Document, performed thorough Testing following the steps in the Test Design document and reported the issues to the development team
- Identified testing stories/components that can be automated and Developed Selenium scripts for the same, this reduced the manual effort by 80 % during regression
- Trained in JAVA, SQL, HTML/CSS, Manual Testing, Automated Testing Frameworks such as HP UFT, Selenium and JMeter

PROJECTS / INTERNSHIPS

The PartyApp
- Collaborated with team members to develop a party management application using MERN stack. Implemented features such as multiple roles, map functionality, email verification (using AWS SES), booking confirmation etc.
- Designed REST API endpoints for the front-end to fetch Data
- Implemented Backend Logic in API endpoints
- Contributed to front-end development of the web application

Day Care Project
- Designed and developed an application for a daycare center
- Created database schema and tables for the application and developed queries to fetch information for the front-end of the applications
- Developed backend code using Java for special use cases such as features such as alerts for students and teachers

Pacman Project
- Developed python scripts that automatically played the game by employing Algorithms such as Breadth First search, Depth first Search, A* for different complexities and compared the results

EDUCATION

Master of Science in Software Engineering Systems – Northeastern University, Boston   **Sep 2021 - May 2023 (Expected)**
          Related Courses – Object Oriented Design, Data Structures and Algorithms, Network Structures and Cloud Computing, Web Design and user Experience
Bachelor of Engineering in Mechanical Engineering - Anna University, Chennai, India   **June 2013 - May 2017**