Yaswanth Busireddy

Associate Software Engineer

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CAREER OBJECTIVE

Ambitious and Passionate professional,aspiring to achieve career progression while achieving company goals.Eager to contribute to team success through teamwork and organizational skills.A solid foundation of security related experience with a natural affinity for Information Technology.Skilled in vulnerability assessment and adept at delivering strong risk management practices.Motivated to learn,grow and excel in my career.

TECHNICAL SKILLS

- Programming Languages: C, Python
- Web Technologies: JavaScript, HTML, CSS
- Security Tools: Burp-suite, OWASP Zap, Metasploit, SqlMap, Nmap, Wireshark, etc.
- IDE: GitHub, Gitlab.
- Industry Knowledge: Object-Oriented Programming, Data Structures

EDUCATION

B. Tech | Geethanjali institute of Science & Technology, AP- India

AUGUST 2017 - JULY 2021

Bachelor's in Electrical and Electronics Engineering graduated with an aggregate 72.3%.

12th | Narayana Junior College, Nellore- India

JULY 2015 - APRIL 2017

Scored 95.1% with Math Physics Chemistry as major.

Schooling | Ratnam High School, Nellore- India

MARCH 2015

Graduated with an aggregate CGPA of 9.2/10.

EXPERIENCE

TATA CONSULTANCY SERVICES - Banglore, India | July 2021 - Present

Role: Security Analyst

Feb 2022 – PRESENT

- Conduct Vulnerabilities Assessment and Penetration Testing for web and mobile Applications include Static Application Security Testing and Software Component Analysis.
- Conducting Web Security Trainings and workshop events for developers and product owners. Train developers and promote security awareness to ensure system security and to improve Application security.
- Executing several manual and automated security assessments implementing DevSecOps for detecting vulnerabilities in early product lifecycle.
- Performing source code reviews of critical applications for high severity vulnerabilities using tools like Fortify.
- Attempt to reduce false positive and false negative in Vulnerability Assessment.
- Handling POC's, RFP's and Kick-off presentations and meetings with new customers.
- Escalate security incident to respective teams and management.

Role: Application Security Engineer

Project: Quality Engineering & Transformation

- Using automated port scanners like NMAP and Vulnerability Scanner like IBM AppScan, services running and identified vulnerabilities.
- Performing dynamic application security testing of the web and mobile applications.
- Hands on experience of VAPT tools like – Burp-suite, OWASP Zap, Metasploit, SqlMap, Nmap, Wireshark, etc.
- Testcases are identified based on security requirements and company policies. Test case coverage include check for Authentication, Authorization, Data Protection, In-formation Leakage, Error handling, Input Validation, Privilege Escalation, Session Management, Audit and Alerts.
- Documenting all the vulnerabilities and providing mitigation and explaining the impact of the vulnerability to the developers and managers.
- Follow-up and closure of the vulnerabilities with respective application owners.

Role: Assistant System Engineer -Trainee

July 2021 – Feb 2022

- Testing and analysis of bench-marking the application against industry standards such as OWASP Top 10.
- Hands-on experience in Agile environment and Microservices Architecture.
- Trained in business skills and Project Management Skills helps in service delivery.
- Learned Skills in Object oriented programming and Database concepts.

PROJECTS

Major Project – "Hybrid Inverter with overload tripping through IoT"

This Hybrid inverter varies with conventional inverter by consisting of two renewable power sources i.e,solar and wind.The solar energy gets converted into electrical energy through Photovoltaic cells and wind energy gets converted into electrical energy through turbines. This electrical energy is stored in a battery which gets converted as AC current through a converter.This whole circuit consists of an overload circuit breaker which gets tripped when load current increases than threshold current and also that circuit breaker can be operated through internet using IOT.**By using this project we can individually run industries without depending on power market.**

INTERNSHIPS:

- Company : APGENCO, Nelatur. Duration : 28-06-2019 to 11-06-2019, Scope : Working of thermal power plant, The internship program on TPP gives knowledge about the power generation, types of transformers, types of protection, types of lines, types of boilers, types of pumping systems, synchronous and asynchronous motors.
- Company: Weber India infra power Pvt limited. Duration:11-02-2019 to 21-02-2019 Scope: Designing and protection of transformers.The internship program on transformers gives knowledge about the different types of transformers, types of winding and its wounding process.
- 3 Campus ambassador internships through Internshala.

AWARDS, ACHIEVEMENTS & PARTICIPATIONS

- Second prize in poster presentation on "Multi Input Single Phase Grid Connected Inverter With Hybrid Power Systems" at Narayana engineering college.
- Participant certificate for paper presentation on "Solid Waste Management " at K.C.D.C..
- Webcasting volunteer in **general elections** 2019.
- First Runner up in **Carroms** conducted by GIST Nellore.
- Participated in an event **Quiz** at the College level.
- Published a journal on Hybrid Inverter with overload tripping through IoT
- Active member in the **National Service Scheme** and other social activities.

TRAINING AND WORKSHOPS

- Attended certification course on **Satellite Photogrammetry and its Application** organized by **Indian Institute of Remote Sensing (IIRS).**
- Attended online Short-Term Training Program on **Power Electronics Applications to Industrial Systems** conducted by National Institute of Technology (NIT).
- Attended 3 day workshop on "Internet of things" in our college.
- Attended 3 days workshop on "sci lab" in our college.

ROLES & RESPONSIBILITIES

Class Representative 2017-2021

Acted as a bridge between students and faculty and management. Ensure to provide necessary assistance to students and maintain a good relationship between the department student community and management.

Organizer 2018-2021

Lead organizer for various departmental cultural and technical activities and events.

PERSONAL SKILLS

- Creative problem solving/troubleshooting
- Attention to detail
- Works well on a team
- Works well under pressure
- Good written and oral communication

PERSONAL HOBBIES

- Physical Exercise
- Playing Games.
- Cycling
- Meditations and Sun-Salutations etc.,

PERSONAL DETAILS

- Languages Known: English, Telugu,Hindi.
- Nationality: Indian

DECLARATION

I hereby declare that the information stated above is true to the best of my knowledge.

YASWANTH BUSIREDDY