SUGATHRI GOTU

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Graduating in Dec 2025, seeking intern / full-time opportunities in Software Engineering, Dotnet Development, Web API, Security Analyst, Computer Security, Advance hacking prevention and Information security policies.

EDUCATION

California State University, Dominguez Hills (CSUDH)   Carson, CA
Master's in computer and information systems security, **GPA: 3.5/4**   Jan 2024 - Dec 2025
Coursework: Information Security, Software Engineering, Computer Networking and Data Communications, Programming, Incident Response, CyberOps and CloudDevSecOps, Advance hacking prevention, Software project management planning, Information security policies.

Jawaharlal Nehru Technological University   Hyderabad, IN
Bachelor's in Electronics and Communication Engineering   August 2017 - July 2021 Coursework:
Electronics and communications, Analog Electronics, Signals and Stochastic Process, Operating Systems and Computer Networks, Antenna and Wave Propagation, Digital Signal Processing.

WORK EXPERIENCE

Virtusa   Hyderabad, IN
Software Engineer   October 2021 – Jan 2024

Project Management Institute |PMI

- Worked for 2.4 years in Virtusa as a Dot Net developer for this project.

- Managed and contributed to the development of a comprehensive certification platform for management courses, similar to Udemy, in collaboration with various companies and colleges.

- Led the organization of multiple events that attracted professionals, allowing them to earn credits towards certifications, enhancing both engagement and platform credibility.

- Fostered collaboration between internal teams and external partners to ensure the smooth execution of events and the seamless operation of platform features.

- Coordinated the efforts across multiple functional teams, including Certification team, myPMI Dashboard team, SPX team, CCRS team.

- Collaborated closely with front-end developers, QA teams, and product managers to deliver high-quality software features in an agile environment, ensuring smooth integration and consistent user experience.

- Maintained open and transparent communication with both technical and non-technical clients, effectively translating complex technical concepts into actionable insights for business leaders.

- Mentored junior developers by providing guidance on best practices, code reviews, and knowledge-sharing sessions, contributing to the overall skill development of the team.

- Applied strong analytical and problem-solving skills to identify bottlenecks and optimize application performance.

- Adapted quickly to evolving project requirements and technological changes, consistently delivering robust and scalable solutions in fast-paced environments.

RISE Tutor

CSUDH TORO (March 2024 – Till Date)

- Created engaging and accessible math lessons to students, resulting in 15% increase of the class participation

- Interacted with students and parents, providing regular feedback on academic progress and areas for improvement.

- Adapted tutoring methods to address specific areas of difficulty based on continuous assessment of student progress.

PROJECTS

Advanced CI/CD Pipeline with Jenkins and AWS Integration | Java, Docker, AWS   Jan 2024 - Feb 2024

- Developed an advanced CI/CD pipeline using Jenkins, automating builds based on GitHub updates and improving team communication with Slack notifications.

- Integrated JaCoCo and SonarQube for better code quality and maintainability, resulting in a 30% reduction in code defects.

- Improved deployment with AWS ECS and Docker, achieving a 30% increase in scalability and reliability for cloud deployments.

Splunk   Mar 2024- Apr 2024

- Developed and optimized advanced search commands using SPL (Search Processing Language) to perform complex data queries and analyses, enhancing data retrieval efficiency and precision.

- Engineered alerting mechanisms by creating custom alerts and configuring triggers to monitor key metrics and detect anomalies in real-time.

- Implemented correlation searches to identify relationships between disparate data sets and applied anomaly detection techniques to uncover deviations from normal patterns.

TECHNICAL SKILLS

- **Programming Languages:** Python, C#, Java, C/C++, PHP, HTML, CSS, JavaScript.

- **Tools & Platforms:** Docker, AWS, Splunk, Nmap, tcpdump, pfsense, VMware, GitHub, SonarQube, FTK Imager, Cisco Packet Tracer, Wireshark, Eclipse, Jenkins, Visual Studio Code, Postman, Kubernetes, Jira.

- **Databases:** MySQL, Oracle, SQL Server Management Studio.

- **Frameworks:** General Data Protection Regulation (GDPR).

- **Certifications:**
  Security+ (CompTIA)
  - Demonstrated foundational knowledge of IT security, including risk management, incident response, and network architecture.

  - Proficient in key security areas such as threat analysis, vulnerability management, and mitigation strategies.

  - Gained hands-on experience in identifying and addressing security threats, applying best practices in cybersecurity.

  - Skilled in performing risk assessments, penetration testing, and maintaining secure network environments.

  Microsoft Certified: Azure Fundamentals (AZ-900)
  - Strong understanding of core Azure services, cloud concepts, and Azure pricing models.

  - Proficient in Azure security, privacy, compliance, and trust practices.

  - Familiar with cloud deployment models such as IaaS, PaaS, and SaaS, and Azure management tools.

  - Ability to describe Azure architecture, compute, networking, storage, and application services