

Chaitra Boggaram

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Education

Santa Clara University	Expected Mar 2024
Master of Science in Computer Engineering	GPA: 3.74
Bangalore University	May 2016
Bachelor of Computer Applications	GPA: 3.55

Experience

Graduate Teaching Assistant , Santa Clara University – Santa Clara, CA	Jan 2023 – Present
<ul style="list-style-type: none">Streamlined grading process for student assignments by implementing efficient workflows using CI/CD automation, leading to 80% reduction in manual grading time and enabling immediate feedback for studentEnsured academic integrity and fairness among students by integrating the moss plagiarism detector, enabling detection of code plagiarism and facilitating prompt action to maintain academic standards, resulting in 95% reduction in plagiarism cases reported	
Software Engineer , NXP Semiconductors – Bangalore, India	Jun 2020 – Jun 2022
<ul style="list-style-type: none">Architected and executed AWS public cloud network framework, establishing secure zones for ~89 branch offices utilizing internet gateways, network ACLs, route tables, and security groupsLed a team of 4 in successful migration of 40,000 on-premises clients from Symantec Endpoint Protection to Microsoft Defender for Endpoint, cloud-based antivirus solution, decreasing support SLA by 2 business daysImplemented email notification system through Power Automate to alert users of identified vulnerabilities on remote machines and provided clear guidance on necessary actions to resolve, resulting in 80% reduction in security threatsCreated automated monitoring system using Azure Monitor through Terraform CDK that provides real-time visibility into Active Directory information, used Log Analytics workspace and metrics for triggering alerts based on predefined thresholds reducing customer tickets by 25%	
Application Engineer , Tata Consultancy Services – Bangalore, India	Dec 2016 – May 2020
<ul style="list-style-type: none">Developed Python scripts using REST API to invoke Splunk search queries for identifying and blocking malicious URLs across multiple systems in NXP, reducing ~100 security threats per week and enabling real-time threat protectionAutomated weekly reports for Endpoint Detection, Protection, and Response compliance using Macros and Power BI, resulting in time savings of ~10 hours per week, significantly improving client workflow and maintaining a 99% compliance rate	

Projects

COT - Plagiarism Detector for ChatGPT	Jan 2023 – Mar 2023
<ul style="list-style-type: none">Designed Flask application using Python, HTML, and CSS to provide an intuitive user interface for plagiarism detection, incorporating ML algorithms through sklearn's TfidfVectorizer and cosine_similarity modules for accuracy, and invoked multiple ChatGPT API completion for data comparison with 70% accuracy	
GiveForGood	Feb 2023 – Feb 2023
<ul style="list-style-type: none">Created full-stack application using ReactJS, Flask and Python aiming to connect people in need of food through local donors and charities, integrated Google Auth for user authentication, Google Maps API for pinpointing required locations and MySQL for storing the pins on Google maps	
ReferUp	Sep 2022 – Dec 2022
<ul style="list-style-type: none">Implemented referral website for students and alumni of SCU using ReactJS, Django, Python, and JavaScript for designing website, utilizing OAuth 2.0 for user authentication and deploying the website on AWS EC2, maintained user database on AWS RDS and automated email communication to referrers using AWS SES	

Skills

Languages & Application Development: Python, C, JavaScript, HTML, CSS, Flask, Django, React.js
Cloud & Virtualization: Amazon Web Services, Microsoft Azure, Google Cloud, Docker, Kubernetes
Other Tools: Terraform, CloudFormation, Splunk, Agile, Jira, Git, ServiceNow, Microsoft Defender, MySQL