

Felicia SHARON

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EDUCATION

2019-2023	Vellore Institute of Technology Chennai, Tamil Nadu, India	B. Tech in Computer Science and Engineering 9.14 CGPA (out of 10)
2018-2019	St. John's Public School Chennai, Tamil Nadu, India	Higher Secondary Education CBSE 90.2%
2016-2017	St. John's Public School Chennai, Tamil Nadu, India	Secondary Education CBSE 10 CGPA (out of 10)

WORK EXPERIENCE

Jan 2023 – June 2023	Amazon <i>Software Development Engineer Intern</i>	Bangalore, Karnataka, India
<ul style="list-style-type: none">• Collaborated with a team that was developing an API service called 'AWS-Texttract' - service that automatically extracts text and data from scanned documents.• Deployed Test Automation - Canary, Unit Tests, Integration tests and Load tests for the 'Bulk Document Uploader' API – one of the four API services provided by Texttract - in the pipelines.• Worked with AWS services such as AWS Cloud Formation and AWS CloudWatch to view the output and metrics for Canary and Integration Tests.• Validated the availability of the usage of the Texttract API and resource accessibility for various users using AWS S3 and IAM Roles.• Also raised and reviewed several CRs.• Enhanced the existing pipeline to raise alarms and cut tickets to the respective teams automatically in case of any issues.		

INDUSTRY INTERACTION

Feb 2023 – April 2023	LTIMindtree	Online
<ul style="list-style-type: none">• Completed 3 months internship under Cloud Services (AWS) using Terraform.		
July 2022	Amazon	Online
<ul style="list-style-type: none">• Underwent a month of training in the field of ML by Amazon Machine Learning Summer School		
Feb 2022 – May 2022	NetApp	Online
<ul style="list-style-type: none">• Completed a project 'Smart Eye' under 4 months mentorship program in AI domain.		
Dec 2021 – Jan 2022	FarmWise-AI	Online
<ul style="list-style-type: none">• Developed a new Multi-scale Polygon Matching system for Geo Referencing Agriculture lands		

PROJECTS

- Smart surveillance framework using IOT and Computer Vision.
- AI-based Smart Online Shopping using Market Basket Analysis.
- Automatic Face Recognition and Face Mask Detection using AI.
- Hadoop-IoT Framework for Real Time Weather Prediction using Machine Learning Algorithms.
- Secured FileZip – File Encryption and Compression algorithm.
- Solving Multi-class imbalance using Deep Learning Techniques (GAN).
- Text-to-image Converters using Stack-GANs.
- Framework for Face recognition and Scene Description using Deep Learning for the Visually Impaired.
- Prediction and Early diagnosis of Diabetes based on Lifestyle.

SKILLS

Coding	Python, C/C++, Java, JavaScript, React, HTML/CSS, PHP, MySQL, Hadoop, R, Node.js, Angular, TypeScript.
Technical	Data Structures and Algorithms, Statistics, Machine Learning, Data Analytics, Amazon Web Services (EC3, CloudWatch, CloudFormation, IAM), Terraform, Linux, Blockchain, Computer Vision, Deep Learning, GAN, Full Stack Development, Test Automation, DevOps, REST, React, TensorFlow, Distributed Computing, Big Data Analysis, Natural Language Processing, CI/CD Pipeline, Front-end and Back-end development.
General	Problem Solving, Logical Thinking, Interpersonal Skills, Organizational skills, Positive Attitude.

PUBLICATIONS

F. Sharon, A. V. P. Y and Geetha. S, IoT Framework for Real Time Weather Monitoring using Machine Learning Techniques, IEEE Xplore 2023, <https://ieeexplore.ieee.org/document/10156901>

S. Suseela, Felicia Sharon. Framework for Face recognition and Scene Description using Deep Learning for Visually Challenged people. Authorea. October 18, 2023.DOI: 10.22541/au.169765045.57268353/v1

ADDITIONAL INFORMATION

Interests:	Accomplished pianist, Grade 5 from Trinity College London. Member of choir at St. Mark's church, Chennai. Playing Chess and have represented school in various tournaments. An animal lover and enjoy bringing up pets.
Achievements:	Selected for a 6-month internship as SDE Intern at Amazon. NetApp Women Hackathon (Top 15 best projects). Selected for Amazon ML Summer School 2022. Multiple chess tournament winner. Trinity College London Grade 5 pianist.