

# Gerard Anto Celestine S

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## Education

### Sri Sivasubramaniya Nadar College Of Engineering (SSN)

Chennai, India

B.E, Computer Science and Engineering, 8.22 CGPA

2017 - 2021

- Courses:** Data Structures, Algorithms, Artificial Intelligence, Machine Learning, Operating Systems, Computer Networks, DBMS, OO Design, Software Engineering

## Work Experience

### Optum Global Solutions

Hyderabad, India

Software Engineer

Sept 2021 - Present

- Part of the Digital Forms Acceleration team.
- Created a scheduler to identify the expiration of certificates used by different services in all production and lower environments.
- Responsible for creating new AI validations using Azure OCR to automatically approve/reject claims.
- Developed key API with encryption to allow business teams to access claims.
- Organised meetings and knowledge transfer sessions, improving collaboration and team work.
- Developed AEM Forms with complex business logic and real-time validations, reducing the need for paper and faster processing of claims and authorizations.
- Automated forms testing using Selenium and Cucumber, drastically reducing the time taken for testing compared to manual testing.
- Technical Skills:** Java/Spring Boot, Adobe Forms (AEM), Selenium/Cucumber, Git.
- Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

### TakenMind

Remote

Data Analytics Intern

June 2019

- Analyzed the life expectancies of people of different age categories in different countries using python libraries such as NumPy and Pandas.
- Visualized data using heat maps.
- Technical Skills:** Python with NumPy, Pandas.
- Soft Skills:** Time Management, Analytical Thinking, Presentation skills.

## University Projects

### Final Year Project — Face Mask and Body Temperature Detection using Facial Landmarking and Deep Learning

Chennai, India

Sri Sivasubramaniya Nadar College Of Engineering (SSN)

Oct 2020 - Apr 2021

- Created a system capable of detecting face mask and body temperature of the user and allow/deny entry using TensorFlow, CNN, MobileNetV2 and Facial Landmarking on a Raspberry Pi 4 computer.
- Technical Skills:** Python, TensorFlow, OpenCV, Neural Networks, Overleaf, LaTeX.
- Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

## Skills

### Programming

Java/Spring Boot, Adobe Forms (AEM), Selenium/Cucumber, Git, C/C++, Python, TensorFlow, OpenCV, HTML/CSS, JavaScript, React, NodeJS, SQL, MongoDB.

### Soft Skills

Time Management, Teamwork, Problem-solving, Documentation, Presentation.

## Certifications

- Algorithmic Toolbox (Coursera)
- The Complete Web Development Bootcamp 2020 (Udemy)
- Machine Learning (Coursera)
- Data Analytics and Visualization (Udemy)

## Achievements

2019 **Organiser**, yeSQLLuck - a SQL competition at college symposium Invente 4.0

India

2020 **Finalist**, Ford Hackathon

India