

GANESH KUMAR CHELLADURAI

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34, Gort Na Bro, Knocknacarra, Galway, H91HCX6

Summary

A recent graduate with a Masters in Artificial Intelligence and 3 years of experience as a full stack developer. Proficient in React, Python and Nodejs. Worked in various programming languages and very flexible.

Education

MSc. Computer Science (Artificial Intelligence), NUI Galway, Galway (2019-2020)

Overall Grade: **1.1(Expected)**

Experience

Block Nubie (September 2020 – current)

Designation – **Full Stack Engineer**

An application for disease prediction and hospital resource management.

- Development of serverless backend on AWS platform through AWS Lambda and AWS API gateway for mobile and web applications.
- Design and development of machine learning solutions and corresponding APIs.
- Technologies and Tools used – Tensorflow, React, Python, AWS, MongoDB.

Xperi Corporation (April 2020 – August 2020)

Designation – **Intern/ Thesis**

Development of a common platform/tool for deep learning researchers using Docker.

- Development of a common container that includes all widely used deep learning framework.
- To test the container under different environments, training neural networks.
- Technologies and Tools used – Tensorflow, React, Docker.

Cognizant Technology Solutions (January 2017 – August 2019)

Designation – **Associate Engineer/ Developer**

Project: **Cognizant Protocol Creator** (September 2017 – August 2019)

An application for recording and reviewing research and trial results before the introduction of new drugs in health care industry.

- Responsible for creation of features and testing the application.
- Creation of RESTful APIs.
- Integrated Single Sign On into the application using Red Hat.
- Created interactive chat and comment system for the application.
- Technologies and Tools used - PostgreSQL, React, Python, Nodejs, Express, Chai, Mocha, Sinon, Docker, CircleCI, Elastic Search, Amazon Web Server.

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Projects

Facial recognition system

- Capable of identifying or verifying a person from a digital image or a video frame.
- Can be consumed through a web API in Django.
- The model was able to attain 75% on live data and 90% on test data.
- Technologies and Tools used – Python, Django, Tensorflow.

Pipeline for Object Detection and Classification

- Stream and detect objects in a video using tiny-YOLO model.
- Implement a classifier through transfer learning of MobileNet.
- Technologies and Tools used – Python, Django, Tensorflow.

Click stream Analytics on web pages

- Collect user activity information through clicks.
- Perform analytics like frequently visited pages and frequent searches.
- Technologies and Tools used – Python, Django, Kafka, Spark, Divoite, React.

Programming Skills

- Primary - **Python, JavaScript, Reactjs, Nodejs, Docker**, CSS 3, SASS.
- Secondary - Angular, .NET MVC(C #), **Java**.
- Frameworks and Libraries - Scikit-learn, **Kafka, Spark, Tensorflow**.

References

Bhaskar Sanjeevamoorthy

Senior Architect

Cognizant Technology Solutions

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Dr. Michael Schukat

Lecturer

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