

# Ashwin Senthilkumar

A Self learned, skilled, competent, and diligent with significant experience in Data science field. Strong in design and integration with intuitive problem-solving skills. Proficient in C, C++, PYTHON, and SQL. Passionate about implementing and launching new projects. Ability to translate business requirements into technical solutions. Strong willingness to exhibit my proficiency in Analytical tools, Statistics and Computing Methodologies in the professional environment.

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## TECHNICAL (IT) SKILLS

**Programming Language:** Python, Pytorch, C++, C, HTML, CSS, SQL.

**Software / Tools:** Azure Cloud platform, Google cloud platform, MS Power BI, MS spreadsheet, Docker, Flask, SQL server.

**Skills:** Data visualization(Seaborn, plotly, Power BI), Machine Learning, Deep Learning, Computer Vision, Forecast, Pattern and Trend identification, Statistical Analytics, Data wrangling, Experimental design & analysis, Natural Language Processing, APIs

## EXPERIENCE / INTERNSHIP

### Data Analyst Intern in Virtual experience program quantium Nov – 2020

- Actively engaged in quantitative analysis for delivering highly valued data analytics and insights to help the business make strategic decisions.
- Identified, analyzed, and executed new and potential products, services, markets, and advertising opportunities.

### Data Analyst Intern in Data@ANZ program ANZ Jan– 2021

- Conducted EDA on the segmented data and draw unique insights, include visualization of transactions volume and assessing the effect of any outlines.
- Demonstrate correlation between customer attributes, develop regression, and a decision-tree prediction model based on insights.
- Designed a geo-spatial plot to identify patterns and trends of customer transaction coordinates

### Technology consulting virtual Internship Deloitte Feb– 2021

- Conducted an initial market understanding scan to evaluate and select a new financial accounting system. Evaluated the market understanding with potential solutions.
- Prepared a high-level overview of cloud computing for client meetings. Conducted an analysis and recommend applications for transitioning to the cloud.

## ACADEMIC BACKGROUND

### Vellore Insitute of Technology, Chennai

Bachelor of Technology in Electronics and computer Engineering, 2019 – 2023

## PROJECTS

### Movie Recommendation System, Data scientist

**Duration :** 20 days

**Technologies used:** Python, Pytorch, Docker, Flask, Deep Learning, Web Scrapping, Collaborative filter, API, HTML, CSS, Azure app service

- Conceptualized and developed movie recommendation system like Netflix using pytorch sequential neural networks and collaborative filtering techniques
- Incorporated web scraping using tmdb API to collect movie/crew details.and movie trailer.
- Containerized using Docker with Anaconda3 base image. and deployed with Azure app service.

Link: [movieholic.azurewebsites.net](https://movieholic.azurewebsites.net)

### Disease Diagnosing System, Data scientist

**Duration :** 30 days

**Technologies used:** Python, Flask, Deep Learning, Machine Learning, Natural Language Processing, API, HTML, CSS, JS

- Conceptualized Disease Diagnosing system like Chat bot using Machine learning and Natural language processing.
- Incorporated flask micro-framework and developed web application.

Link: [github.com/MrRObOt-23/DDS-Webapp](https://github.com/MrRObOt-23/DDS-Webapp)

### Stock Management System, Web Developer

**Duration :** 15 days

**Technologies used:** Python, Flask, SQL, AWS database, HTML, CSS, JS, Heroku

- Designed and developed a web application to track inventory stock under various schemes and categorizes.
- Incorporated with AWS database and deployed into heroku platform.

Link: [stock-management-software.herokuapp.com](https://stock-management-software.herokuapp.com)

### Python open source package (MovieRecEngine) , Data scientist

**Duration :** 5 days

**Technologies used:** Python, Pytorch, Deep Learning, Web Scrapping, Collaborative filter, API

- Developed movie recommendation engine using pytorch sequential neural networks and collaborative filters
- Published package using twine into python package index.

Link: [pypi.org/project/MovieRecEngine](https://pypi.org/project/MovieRecEngine)