

SURYAKIRAN SURESHKUMAR

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EDUCATION

- **Courant Institute of Mathematical Sciences, New York University** New York, NY
M.S - Computer Science; GPA: 3.56/4.0 Sep 2022 - May 2024
- **Thiagarajar College of Engineering** Madurai, India
B.E - Computer Science and Engineering; GPA: 9.11/10.0 - First class with distinction Aug 2017 - Apr 2021

SKILLS SUMMARY

- **Programming Languages:** Python, C++, C, Java, Dart
- **Web Technologies:** HTML, CSS, JavaScript, PHP
- **Database:** MySQL, Oracle, MongoDB
- **Cloud Computing:** Azure, Oracle
- **Tools and Frameworks:** Flask, FastAPI, Postman, PowerApps, Spark, DataBricks, Flutter
- **Machine Learning:** Pandas, NumPy, Scikit-Learn, OpenCV, PyTorch, Tensorflow

EXPERIENCE

- **Tiger Analytics** Chennai, India
Analyst, Machine Learning Engineering Sep 2021 - Jul 2022
 - Designed and developed application for a large global client which involved computer vision and machine learning.
 - Was the primary backend developer and guided a team of 3 developers to manage a no-code data science platform for a global client by delegating tasks as needed and providing technical training.*Analyst, Data Science* Jul 2021 - Aug 2021
 - Worked on big data technology(spark, databricks) to improve performance of an internal framework.*Data Analyst Intern* Feb 2021 - Jul 2021
 - Gained experience in python for data analytics, Excel for handling and visualizing data, python packaging and distributing, and docker container deployment.
- **National University of Singapore** Singapore
Academic Intern Jun 2019
 - Gained knowledge and experience in Big Data Analytics using Artificial Neural Networks which included Data Analytics, Exploratory Data Analysis, Descriptive Statistical Measures, Python Data Science Libraries, Regression Analysis, Classification, Clustering, Text Mining, Association, Artificial Neural Networks, Convolution Neural Networks, Recurrent Neural Networks.
 - Developed Phishing Site Detection application, which also got the best project award at the end of the internship.
- **Hewlett Packard Enterprise** Singapore
Summer Intern Jun 2019
 - Acquired deeper understanding on Big data and Hadoop System Administration which introduced me to Big Data and Hadoop, Pseudo Mode, Setting up Cloudera Manager, HDFS Shell commands, Commissioning and Decommissioning, HDFS Quotas, Hadoop Architecture, Kerberos, Knox, MapReduce, Hive, Kafka, Flume.

ACADEMIC PROJECTS

- **Deep Learning Framework for Component Identification:** Setup to monitor the assembly line of a manufacturing unit which uses an object detection algorithm to detect, classify and count the various components in the monitored image. Published [Research Paper](#) on this.
- **Covid Fight:** Mobile application that helps users during the coronavirus pandemic. The features of the app include delivering a live count of cases, a crisis communication chatbot that helps users resolve their doubts regarding the pandemic, a self-diagnosis feature, notifying the users to wash their hands regularly, and giving them immediate access to the distress number.
- **Phishing Site Detection:** Web application with a chrome extension which detects whether a particular website is phishing or not using neural network, by extracting 14 features from the particular site. By installing the extension, the end user will be notified whether the current URL is malicious and a comprehensive analysis of the attack will be periodically sent to the cyber department.
- **Scene Understanding in Night-Time Using SSAN Dataset:** Software that uses a normal CCTV camera and improves image eliminating unwanted objects and detects required objects at night. Published [Research Paper](#) on this.

COURSES

- Oracle Cloud Infrastructure Foundations 2020 and 2021 Certified Associate.
- Google Data Analytics.
- Machine Learning A-Z™: Hands-On Python & R In Data Science course on Udemy.
- Web Developer Bootcamp course on Udemy.
- Spoken Tutorial (Program offered by IIT Bombay) for C, C++, Java, PHP, MySQL.