



Dhilip Kumar Veerapandi

Intern - A*STAR (SimTech)



Professional Expertise

Innovative Web Developer. Demonstrated talent for front and back-end web development to optimize online presence. Seasoned expert in languages such as Python, Angular, C#, Java, HTML and NodeJs



Education

2019-01 -
2019-02

Graduate Diploma: Systems Analysis

Institute Of Systems Science, National University Of Singapore - Singapore

- Pursuing with 4.25 GPA

2012-01 -
2016-01

Bachelor of Engineering: Mechanical Engineering

University College of Engineering, BIT Campus - TRICHY

- Graduated with 8.13 GPA
- Awarded Gold medal for academic excellence of holding 1st rank in department of Mechanical and automobile studies
- Dean's Honors List Semester-8 Year-2016



Work History

2019-09 -
2020-01

Intern

A*STAR - SIMTECH, Singapore, Singapore

1. Built and Deployed Name Card Scanner for Auto Populating web form from name card images using Python, OpenCv, pytesseract(OCR), spaCy(NLP) and mongoDB.



Contact

Address

03-149, 352 Clementi Avenue
2.
Singapore, Clementi, 120352

Phone

908-901-77

E-mail

dhilip_kumar@u.nus.edu

LinkedIn

www.linkedin.com/in/
/dhilipbinny

WWW

https://github.com
/DhilipBinny

WWW

http://www.dhilip.ml



Skills

Database - MY SQL, SQLite,
MS SQL, PostgreSQL, Mongo
DB, Firebase

●●●●●
Very Good

Web Development - Html 5,
Razor, Thymeleaf, Angular

●●●●●
Very Good

IDE's - Visual Studio, Eclipse,
Jupyter Notebook , Visual
Studio Code, Colab

●●●●●
Excellent

Frameworks - Python Flask,
Spring, ASP.net MVC 5,
DialogFlow

●●●●●

2016-07 -
2017-07

- Designed and Developed a 3 Tier web application with Angular as Frontend and Flask API server as backend with mongoDB. Managed to deploy the app in Aws EC2.
URL: <http://bit.ly/2rTolum>

2. Built a Real Time Dashboard using Angular and Nodejs for Capturing the processing status of each order that is processed by a Robotic Arm.

Also, demonstrated the Dashboard at ITAP (Industrial Transformation ASIA-PACIFIC), a leading trade event for Industry 4.0!

Field Officer

INTERNATIONAL TRACTORS LIMITED - SONALIKA,
TamilNadu, TamilNadu



Project Experience

1. Built and Deployed TASK LIST, a web application integrated with Google Sign-in and Firebase Authentication using Angular, NodeJs and mongoDB.

- Deployed the API server as a Azure WebApp Service
- URL: <http://bit.ly/2QqZrkl>

2. Built and Deployed SG BUSES, for Singapore Bus Timings, an Angular web application with flask REST API.

- Deployed the API server as a Azure WebApp Service
- URL: <http://bit.ly/35dWOqm>

3. Built and Deployed SG-Bus-Timing, a Telegram Chat-bot, for Singapore Bus Timings, by exploring botogram (Python framework for Telegram bots)

- Deployed the flask API Webhook at an Aws EC2 instance
- URL: <http://bit.ly/32SNFlx>

4. Extending the above chat-bot into a dynamic VOICE BOT using Dialogflow and Python flask API webhook.

- URL: <http://bit.ly/2pqXh9A>

5. Designed a functional Leave Application

Excellent

Cloud - AWS EC2, RDS, Azure
Webapp Svc, Heroku



Good

Web Scraping - Selenium ,
BeautifulSoup



Very Good

Data Analysis - Numpy ,
Pandas



Excellent

Data Visualisation -
Matplotlib, Seaborn



Very Good

Machine Learnig - Sklearn



Very Good

Containers - Docker



Very Good



Software

Computer Aided Design -
AUTOCAD, CREO 3.0, CATIA,
PDMS, ANSYS.



Very Good

Processing System (Java, Spring Boot App and MySQL)

- Locally hosted fully functional Leave application System with Admin Panel, Manager and Employee Dashboard functionality as a part of GDipSA NUS ISS Program Group Project
- With Admin Panel , Manager and Employee Dashboard,
- Took Part in Design, Implementation and Integration

6. Developed a Shopping Cart & Tour Booking System (ASP.NET MVC5, MS-SQL)

- Locally hosted fully functional Shopping Cart using ASP.NET MVC5, RAZOR, MS SQL and using OOP paradigm as a part of GDipSA NUS ISS Program Group Project
- Took Part in Design and Implementation of complete SDLC

7. Developed an IoT controlled Lamps, vanilla HTML JavaScript web app, using Raspberry PI, Python, Firebase, and Dialogflow.

- Developed a Google Assistant voice agent to control the lamps through Voice as well as chat
- Deployed a REST API flask server at Heroku
- URL: <http://bit.ly/33X0IJE>

8. Developed Tic Tac Toe game, a flask application server.

- Written a flask server, which uses session object to monitor the state of players
- URL: <http://bit.ly/37inlzc>

9. Built and deployed a To-do-list using plain Vanilla HTML, CSS, JavaScript, PostgreSQL and Python.

- Written the REST API for CRUD of PostgreSQL in flask Python, and deployed at Heroku
- URL: <http://bit.ly/33YqKXk>



Certifications

2019-07



Python Programmer DATACAMP URL:<http://bit.ly/2QuSCOT>

2019-07



Data Analyst With Python DATACAMP

URL:<http://bit.ly/2qofB3x>

2019-08



Data Scientist with Python DATACAMP

URL:<http://bit.ly/35hieDn>

2018-08



Python for Everybody COURSERA URL:<http://bit.ly/2rTAjsF>