

SHARATH KUMAR G S

FULL STACK DEVELOPER (PYTHON, JS, AWS)

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Current position: Systems Analyst at Sony

PROFILE

I am a tech enthusiast. I have extensive experience in building web applications and python solutions. I have over **five years** of experience in the corporate environment.

SKILLS

PYTHON

FLASK, SQLALCHEMY, BOTO3

HTML5, CSS, BOOTSTRAP

JS, JQUERY

MYSQL, DYNAMODB

DOCKER, JIRA, AZURE DEVOPS

AWS LAMBDA, SQS, CONFIG, CLOUDWATCH

LINUX, BASH, GIT

BOT FRAMEWORK, DIALOGFLOW

IBM WATSON, WIT.AI, BING API

AZURE, GOOGLE CLOUD

GOOGLE MAPS SDK

PROJECTS

DASHBOARD TO MANAGE ALL PROJECTS

SONY

TECHNOLOGY USED: FLASK, AWS SERVICES, GIT SDK, DEVOPS TOOLS

- Built a dashboard to manage all projects inside the organization
- The dashboard connected the infra team with their customers
- Entire devops flow was managed by the dashboard
- The dashboard was integrated with AWS, Git and Redmine

AWS RESOURCE CONFIGURATION MONITORING AND ALERT

SONY

TECHNOLOGY USED: AWS CONFIG, AWS LAMBDA, AWS SNS, PYTHON (BOTO3)

- Built a system to monitor AWS resources and their configuration
- The configuration was evaluated for any security concerns and organization standards
- Found any, the admin was notified about the mis-configuration

TERUMO - DASHBOARD

TECH MAHINDRA

TECHNOLOGY USED: JETSON TX2, PYTHON FLASK, JAVASCRIPT AND JQUERY, OPENCV

- Built a tool to classify live images from a healthcare machine
- Jetson TX2 was used for this as it allows us to connect multiple cameras at a time
- Images were captured with open-cv and processed by machine learning algorithms
- Entire flow was enabled through a dashboard

BOEING - LUCENE SEARCH ENGINE

TECH MAHINDRA

TECHNOLOGY USED: PYLUCENE, FLASK, JQUERY, BOOTSTRAP, DOCKER

- The raw files were processed to extract a few key information which helped the Boeing team in vendor selection
- As the data size was huge, we needed lucene search
- Used python version of the lucene named pyLucene

CHATBOT - SERVICE NOW INTEGRATION

TECH MAHINDRA

TECHNOLOGY USED: MICROSOFT BOT FRAMEWORK, FLASK, LUIS

- Created a chatbot to handle the Service now ticketing system
- Used Microsoft bot framework to create the chatbot
- Used python flask as the middleware
- Integrated Luis natural language processor

ROYAL BANK OF CANADA - FINANCE NEWS APPLICATION

TECH MAHINDRA

TECHNOLOGY USED: WATSON DISCOVERY API, FLASK, JQUERY

- Built an application to display the finance related news
- It was integrated in to the stockbroker's dashboard
- Used IBM Watson discovery API to fetch finance news

BRITISH TELECOMS - CAPACITY FORECASTING ENGINE

TECH MAHINDRA

TECHNOLOGY USED: R, TIME SERIES FORECAST (ARIMA AND HOLT-WINTERS)

- Built a time-series model to forecast router's capacity
- Used R packages and used Aria and holt-winters method
- As the input data were raw data, there was a lot of pre-processing and I handled it through R

ACUMOS - AI AND MACHINE LEARNING PLATFORM

TECH MAHINDRA

TECHNOLOGY USED: PYTHON

- It is a platform where we can share re-usable AI and ML models
- On-boarded many ML models to the Tech Mahindra instance of Acumos, called as Gaia

FREELANCE PROJECTS

PADALIKHA

[HTTPS://PADALIKHA.COM](https://padalikha.com)

[HTTP://ADMIN.PADALIKHA.COM](http://admin.padalikha.com)

[HTTP://CRM.PADALIKHA.COM](http://crm.padalikha.com)

[HTTP://COLLEGE.PADALIKHA.COM](http://college.padalikha.com)

ROAD THRILL

[HTTPS://ROADTHRILLCOMMUNITY.COM](https://roadthrillcommunity.com)

SPARKEMAIL

[HTTP://SPARKEMAIL.NET](http://sparkemail.net)

DEFENCE DIRECT EDUCATION

[HTTPS://WWW.DEFENCEDIRECTEDUCATION.COM](https://www.defencedirecteducation.com)

EMAIL ON BUSINESS

[HTTP://EMAILONBUSINESS.COM](http://emailonbusiness.com)

HIGHEST EDUCATION

BACHELOR OF ENGINEERING - COMPUTER SCIENCE AND ENGINEERING

ST. JOSEPH ENGINEERING COLLEGE, MANGALORE

VTU

2011 - 2015

AWARDS AND RECOGNITIONS

ACE AWARD

TECH MAHINDRA

FOR CONTINUOUS EXCELLENCE (MAINTAINED THE X RATING OVER THE YEARS)

DIGITAL WARRIOR AWARD

TECH MAHINDRA

CONTACT DETAILS

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