

Gokulavasan Murali

gok03.com

EXPERIENCES

- 1. Co-Founder and Chief Technology Officer - FLYTTA | Jan 2016 - July 2019**
 - AI Enabled Enterprise Relocation & Logistic Saas Platform
 - Built products used by fortune 500 clients.
 - Led R&D on multiple IP Solutions.
 - Involved in overall company scaleup including brand building, operations, finance and marketing.
- 2. Ambassador & Researcher - AI Saturdays | Jan 2018 - May 2018**
 - Led the AI-6 Weekly Study Group at Hyderabad.
 - Coordinated on structured open course for the practical approach to Artificial Intelligence.
- 3. Product Developer - Future Focus Infotech Private Limited | Jul 2015 - Dec 2015**
 - Part-time member of the R&D team in building products for HR domain.
 - Built two products, an online programming contest platform and a visualisation tool for job boards.
- 4. Founder & Team Lead - Team Poseidon | Jan 2014 - Apr 2015**
 - The team worked on building an Autonomous underwater vehicle to perform complex tasks without human inputs and interventions.
 - I was responsible to build and train the AUV's imaging capabilities to map the environment underwater in a 3D structure using ROS.
 - The AUV was designed to perform various tasks like traversing the path autonomously and missions like torpedo releasing, material droppings.
- 5. Co-Founder & Technical Lead - Hindustan Mars Rover Team | Nov 2013 - May 2015**
 - Build and shipped two version of Mars rover to take part at University rover challenge at The Mars Desert Research Station, Utah.
 - As the Technical team lead, conducted various R&D works with different technologies to build and implement various modules of the rover.
 - Had a team of 10 people working along with me in various technologies like OpenCV to implement semi-guided rover transverse, ROS for ground station control, Repeater wifi antenna system for communication channel and various other life science, atmospheric and location centric sensor system.
- 6. Intern - Grabby Tech | Apr 2013 - Jun 2013**
 - Graaby is Universal Rewards program and has the potential to support an entire ecosystem of amazing simplifying technologies.
 - I worked on implementing the search feature in the consumer application.

TECHNICAL KNOWLEDGE

Full-Stack & Mobile Development

Languages: C, Python, Angular, Ruby-on Rails, Node JS, PHP, JavaScript, Native Android, Cordova.

Platforms: GCP, AWS, Heroku, SoftLayer(IBM), Azure.

Database: SQL, PostgreSQL, MongoDB, Cassandra, Oracle, DynamoDB.

Artificial Intelligence

Packages: TensorFlow & lite, PyTorch, FastAI, H2O, Keras, Pandas, Scikit-learn.

Tools/platform: Jupyter, Paperspace, AWS, Google Collab.

Robotics

Software: Robot Operating System(ROS), QT, Processing, OpenCV, Arduino, MATLAB, Unity.

Hardware: Arduino, Raspberry pi, NVidia JTK1 and Intel microprocessors.

GIS

Softwares/Services: QGIS, OSM, Mapbox, USGS Earthexplorer, Leaflet, Carto.

Packages: EO-Learn, Shapely, GDAL, Geopandas, PyProj, SentinelSat.

Visualization, AR, Design

Photoshop, Sketch, Avocode, QT Designer, Invision Studio, ThreeJS, D3, ARjs, GLjs

COMMUNITY

PyCon India | Organiser & Speaker | 2018 & 2019

Hyderabad Python User group | Core Team & Speaker | 2017 - 2019

AI Saturdays - Hyderabad | Organiser & Speaker | 2018

Google Developer Group Vijayawada | Core Team & Speaker | 2013 - 2015

ACM ICPC Nationals | Organizer & Contestant | 2014 & 2015

Institution of Engineering and Technology (IET) PATW Asia Finals | Organizer | 2015

TEDxHindustanUniversity | Organizer | 2015

Bluescreen Programming Club | Mentor | 2015

Google Student Network | Core Team | 2014

Kinitos Mobile Programming Club | Founder | 2013

EDUCATION

1. Hindustan University - Bachelor of Technology - Computer Sciences and Engineering | 2012 - 2016

2. Kendriya Vidyalaya CLRI – School & Junior College.

Languages known: Tamil, English, Hindi, Telugu and German.

Nationality: Indian