# Gokulavasan Murali

www.gok03.com

## SUMMARY

- **Seasoned Polyglot Programmer and Product Strategist.**
- **3+ Years Experience in Full Life-Cycle Management of Products & Teams.**
- **Open-Source & Community Enthusiast.**
- **Experience in building Consumer, Deep-Tech and R&D products**

## EXPERIENCES

1. **Individual Consultant | Aug 2019 - Dec 2019**
   - Consulting for technology architecture and solution.
   - Advising logistics startups on product & team building.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
   - Led the team of 10 members working 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.
7. **Intern - Grabby Tech | Apr 2013 - Jun 2013**
   - Graaby is Universal Rewards program Product and I was working 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.
**Platforms**: GCP, AWS, Heroku, SoftLayer(IBM), Azure.
**Database**: SQL, PostgreSQL, MongoDB, Oracle, DynamoDB.

### Artificial Intelligence
**Packages**: TensorFlow & lite, PyTorch, FastAI, H2O, Keras, Pandas, Numpy, 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, Sentinelsat.
**Packages**: EO-Learn, Shapely, GDAL, Geopandas, PyProj.

### 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
**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**: English, Hindi, Tamil, Telugu and German.
**Nationality**: Indian