

# Gokulavasan Murali

[gok03.com](http://gok03.com)

---

## EXPERIENCES

- 1. Co-Founder and Chief Technology Officer - Flytta ([goflytta.com](http://goflytta.com))**
  - AI Enabled Enterprise Relocation & Logistic SaaS Platform
  - Built products used by fortune 500 clients.
  - Lead R&D on multiple IP Solutions.
  - Involved in overall company scaleup including brand building, operations, finance and marketing.
- 2. Ambassador & Researcher - AI Saturdays**
  - 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**
  - 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**
  - 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**
  - 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(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 (CGPA 7.8/10)

**2. Kendriya Vidyalaya CLRI** – School & Junior College.

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

**Nationality:** Indian