



## ABOUT

Geeky techie passionate about designing and developing creative and innovative applications with experience in academic, corporate and remote work environment.

## INTERESTS

Machine Learning  
Computer Vision  
Game Development  
Data Visualization  
App Development  
UI / UX Design  
3D Modelling

## CONTACT

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# PATRICIA GEORGE

## WORK EXPERIENCE

### Developer

Freelancer | July 2019 - present

Challenging and enriching myself by choosing unique projects that require a wide range of skills and tools to design and develop.

### Research Manager

Center for Robolution | May 2018 - July 2019

Improvised the work environment & structure and efficiently led the R&D team in the development and delivery of multiple projects.

### Robotics Application Research Engineer

Center for Robolution | August 2017 - April 2018

Promoted to manage the AI team within 9 months of joining due to excellent display of technical, creative and communication skills.

### Research Assistant

Clemson University | August 2015 - May 2017

Mentored a diverse group of undergraduate students on network and control systems. by designing & developing various learning aids such as game based emulators, video tutorials, instruction booklets and social media discussion groups.

## ACADEMIC HISTORY

### Clemson University

Master of Science | August 2014 - May 2016

Electrical Engineering [Intelligent Systems]

### Anna University - Panimalar Engineering College

Bachelor of Science | August 2009 - May 2013

Electronics and Communication Engineering

## TECHNICAL SKILLS

C#   XAML	●	●	●	●	●
Python	●	●	●	●	●
C   C++	●	●	●	●	●
MATLAB	●	●	●	●	●
HTML   CSS	●	●	●	●	●
JAVASCRIPT	●	●	●	●	●
SQL	●	●	●	●	●
PHP	●	●	●	●	●
JAVA	●	●	●	●	●
DAX	●	●	●	●	●

## SOFTWARE

Visual Studio	●	●	●	●	●
Spyder	●	●	●	●	●
MATLAB	●	●	●	●	●
Unreal Engine	●	●	●	●	●
Unity	●	●	●	●	●
Blender	●	●	●	●	●
SOLIDWORKS	●	●	●	●	●
Krita	●	●	●	●	●

## OS

Windows	●	●	●	●	●
Linux	●	●	●	●	●
Mac	●	●	●	●	●

## PROJECTS

### Mancala [Ongoing]

C++ | Unreal Engine | Blender

Modelling the 3D assets and developing the mechanics for an ancient board game.

### Confidot [Ongoing]

HTML | CSS | JavaScript | SQL | Dialogflow

Powered by Google Cloud, a motivational chat bot app is being developed.

### Stock Trend Predictor

Python | TensorFlow | Spyder

Classified sequential stock data into different classes based on candlestick patterns and predicted future instances.

### Cricket Shot Detector

C# | XAML | Visual Studio

Built a classifier that detects the impact location of the ball [on bat] by analyzing the data from a sensor module on the bat.

### The Jodhpur experience

C# | XAML | Visual Studio | Microsoft Kinect

Designed & developed a gesture based app that allows the user to virtually try on and experience sherwanis and turbans.

### Store Digitalization

C# | XAML | SQL | Visual Studio | Azure | PowerBI

Multiple interconnected apps [Catalogue, Dashboard & Inventory Auditor] that can interact with the humanoid robot NAO through a cloud server was developed in order to upgrade the business model to digital.

### Connected Cars Emulator

C++ | TORCS | GIMP | Linux

Using an open source car simulator as base, a codeable gaming platform was developed to be used as a tool to teach basic concepts of cooperative systems and programming.