PATRICIA GEORGE

ABOUT

Geeky gamer passionate about futuristic technologies with experience in both academic and corporate settings.

INTERESTS

- Machine Learning
- Computer Vision
- Robotics
- Data Visualization
- App Development
- Game Design
- 3D Modelling

CONTACT

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WORK EXPERIENCE

Research Engineer

Freelancer | July 2019 - present

Challenging myself by exposing to a wider range of projects, clients and skills.

Research Manager

Center for Robolution | May 2018 - July 2019

Improvised the structure and efficiently led the R&D team in the development and delivery of multiple projects on interdisciplinary fields.

Robotics Application Research Engineer

Center for Robolution | August 2017 - April 2018

Promoted to manage the R&D team within 9 months due to excellent display of technical, creative and communication skills.

Research Assistant

Clemson University | August 2015 - May 2017

Mentored a diverse undergraduate student group on cooperative control of connected cars, platoon formations and collision avoidance by developing a game based emulator and self made video tutorials.

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

PATRICIA GEORGE

SKILLS

Python

C | C++

C# | XAML

MATLAB

R

HTML | CSS

PHP

SQL,

JavaScript

DAX

SOFTWARE

Visual Studio

Spyder

MATLAB

R Studio

Tableau

Power BI

Solidworks

Unity

OS

Windows

Linux

Mac

PROJECTS

Stock Trend Detector
PYTHON | TENSORFLOW

- Classified stock data into different classes based on ohlc chart and predicted future instances.

V'me Try On
C# | XAML | KINECT SDK

- Developed a gesture based app that resizes turbans and sherwanis and lets the user try them on virtually.

Shot Analyzer
C# | XAML

- Built a classifier that analyses the sensor data from a cricket bat and detects the impact location of the ball on the bat.

Digital Store
C# | XAML | Python | SQL | DAX

- Developed a digital interface that receives, stores and displays user and product info.
- A managerial tool that audits the products based on RFID tags was implemented.
- Designed a dashboard that displays all the analyzed data and notifies the admin when an out of norm event is triggered.

Connected Cars Emulator
C++ | TORCS | LINUX

- Using an open source video game based platform, an emulator that simulates connected vehicles based on exchange of information between the cars, track and environment was developed.