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Akhil Joy

MY Objective is "To pursue a challenging career in the field of Computer Science and to be a part of progressive organization that provides generous opportunities for learning and advancement in my career.

Education

Degree	College/School	University/ Board	Passing Year	Pass Percentage/ CGPA
Under graduate (B tech)	Federal Institute of Science And Technology	APJ Abdul Kalam Technological University	2019	7.8_{cgpa}
XII	Govt Higher Secondary School Manjapra	State Board	2015	82.58%
X	De Paul EMHSS Angamaly	State Board	2013	94%

Projects

1. **Maze solving Bot using reinforcement learning**
   Developed a Bot which can solve any kind of given maze in shortest period of time. It has been developed by using reinforcement learning technique. Initially the Bot traverse the entire maze and it creates a graph structure internally which simulate the real world by taking this as input. The Bot apply SARSA algorithm to find out the shortest path.

2. **Hospital Outpatient ticket-booking system**
   Developed a common platform called "helloDoc" which enables a direct communication between patient and hospitals. It helps the patient to find out the best hospital and doctors in his locality and to book the OP tickets and thereby helps in getting a good medical treatment.

Training and Internship

○ **Aabasfot Technologies (India) Pvt.Ltd.**　　　　　Kochi, Kerala

Worked on the following technologies:　　　　　June 2017
  - Java Basics
  - Introduction to Android
  - Application Development

○ **FISAT Summer school**　　　　　Angmaly, kerala

Worked on the following technologies:　　　　　May 2016 - July 201
  - Machine learning
  - Game Development

Research Publications

1. **Artificial Intelligence in Power Systems**
   Presented paper based on the application level importance of Artificial Intelligence in power systems which helps in fault detection and to reduce complexity in Power Systems. Paper was presented at National level Technical Festival at Viswajyothi College of Engineering and Technology

2. **Intelligent Diagnosis of Diseases**
   Presented paper based on techniques that helps to identify most of common diseases without the help of a doctor. It works by taking certain vitals and by applying machine learning algorithms, Paper was presented at National conference on Emerging Technologies at MES college of Engineering and Technology.

Technical Skills

- **Programming Languages**
  - C
  - C++
  - Python
  - Java
  - Assembly language
  - PHP
  - AWK
  - Java Script
- **Platforms**
  - Android Studio
  - Arduino
  - laTex
  - Atmega Studio
  - PyQt
- **Database**
  - SQL

Soft Skills

1. Communication Skill

2. Time Management

3. Team Work

4. Critical Thinking

5. Problem solving

6. Creativity

Extra curricular activities

○ Volunteering

Volunteered as a placement coordinator and in many inter-college activities which includes Workshops, Cultural events etc conducted by Department of Computer Science.

○ Resource Person

Conducted various workshops for students inside and outside the college in arduino programming.

○ Participation

Participated in various cultural events which includes Mime and Dance competition in District level and secured prices

CO curricular activities

1. Workshops

   Attended various workshops on Amazon Deep Learning Workshops, R, OpenCV etc...

2. Memberships

   Active member of various clubs and organization which includes Center for Excellence in Robotics IOT, Association of Computer Machinery, Fisat Free Software Cell, THYRA etc..