ABIJITH PRADEEP

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OBJECTIVE

To pursue a challenging career in a dynamic organization offering a rich learning experience with challenging assignments in the field of Computer Science Engineering.

EDUCATION

B.Tech - Federal Institute of Science and Technology (FISAT), Angamaly, Kochi
Branch : Computer Science and Engineering
August 2016 - August 2020
University : APJ Abdul Kalam Technological University (KTU)
Status : [grade yet to publish]

XII - Sacred Heart HSS, Cochin
June 2015 - March 2016
Board : Kerala State
Status : 94.7%

X - Matha Nagar Public School, Cochin
June 2013 - March 2014
Board : ICSE
Status : 94%

TECHNICAL SKILLS

Programming languages	Python, Ruby, Javascript
Front-end web	ReactJS
Backend	Ruby on Rails, Django
Database	Postgres, MongoDB, MySQL
Data processing libraries	Pandas, Numpy, Regex
Image processing libraries	OpenCV, PIL
Distributed Computing	MPI4py
Networking	Socket
Plotting libraries	Plotly, Matplotlib
Web scraping Libraries	Beautiful Soup, Scrapy

PROJECTS

Photo-realistic image generation
Project implemented in Python to generate the picture of bird using GAN. The GAN model was trained in google cloud platform. A Web UI was built with Flask.

Self-driving car simulation using 9 layer Convolutional Network
Simulated the features of a self driving car on Udacity's self driving car simulator using a 9 layer CNN network.

Server less Video chat application
WebRTC based peer to peer video chat web application without using any intermediate servers other than a signalling server.

AR Real-time Sudoku solver
Computer vision based program to extract the Sudoku puzzle from a live camera feed and displays the solution onto the actual frame after solving the puzzle in real time.

Sentiment analysis on tweets
Analysed the tweets to categorise them to positive, negative and neutral tweets.

Key frame extraction for CCTV surveillance
Computer vision based project that involved the development of a distributed method to find key changes in long video like cctv footages and creating a summarized version. The distribution of workload is done using the MPI4Py library in python.

TRAINING CUM EXPERIENCE

Cognitive Computing Research Centre, FISAT, Angamaly 2019-2020
Research team lead

Center for High Performance Computing, FISAT, Angamaly 2018
Machine Learning algorithms, OpenCV, Distributed Computing(OpenMPI) & Key-frame Extraction

Freelancing
Freelancing for 20+ projects on various domains

PAPER SUBMISSIONS

Dynamic Multi-Heuristic A-star Approach for Optimal Map Navigation
International Conference on Advances in Computing, Communication, Embedded and Secure Systems (Accepted in SPRINGER)

Intelligent cloud load balancing using elephant herd optimization
International Conference on Big data and Cloud Computing (ICBDCC19) (SPRINGER)

Optimization of Logistic Regression using Elephant Heard Optimization
National Conference on Machine Learning and Artificial Intelligence , Indian Institute of Management Bangalore (IIMB)

Cartoonization of Images - National Conference on Latest Trends in Computational Engineering Methods, Viswajyoti College of Engineering & Technology (VJCET)

COURSES ATTENDED

Machine Learning by Stanford University (Andrew NG) with a score of 97.6% on Coursera

Five-course Specialization on Architecting with Google Compute Engine by Google Cloud on Coursera

Python Data Structures by University of Michigan on Coursera

Introduction To Modern Application Development , IIT MADRAS, with a score of 82% on NPTEL

WORKSHOPS CONDUCTED

Resource person for "Modern Programming Standards and Paradigms" at FISAT

ACHIEVEMENTS

First rank in SMRITHI competitive programming contest 2020

First rank in Python on HackerRank

1st runner up in National level project expo (SRISHTI 2020)

1st runner up in College Best Project award

Team captain of national level Hackathon team (worlds biggest hackathon) - SIH 2018 and entered the grand finale.

Team captain of Mpower placement training program. College chess team member.

2 Year successive Students Parliament Member in Sacred Heart HSS. (Class 11 and 12)

House Captain (class 10)

School subject topper on Computer Science. (10th board exam)

Junior House captain. (class 9)

School chess champion.

PERSONAL DETAILS

Gender	Male
Age	22
DOB	30/04/1998
Languages	English, Malayalam, Tamil
Hobbies	Coding, Reading, Socializing, Gaming