K Amulya Reddy

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ACADEMIC QUALIFICATION

COLLEGE	Board/University	CGPA
Matrusri Engineering College, Saidabad, Telangana	B.E (CSE)	9.18/10 (till 4rd Sem) Expected 2020
Narayana Junior College, Tarnaka, Telangana	Board of Intermediate	96.3%
St. Anns' High School, Tarnaka, Telangana	SSC	9.8/10

PROJECTS

Web Scrapers with UI (UI - Chart.js)
- Statistical Entity extraction from web (Stock Marketing data analysis , FIFA player analysis)
- Results of students are scraped from College website using Selenium, bs4 and PhantomJS

Product Development Web-app
- Web-app helps in Organising events as part of Internship

Ms Pac Man Game Design in C# using Unity3D

Cryptography algorithms implementation
- RSA, Caesar Cipher, Vigenere Cipher, Merkle-Hellman Knapsack Cryptosystem, Scytale Cipher, Railfence Cipher, Intelligent Codebreaker

Speech Recognising project
- Clone of automated apps like Siri, Cortana without DNN

ChessPlaying (Forsyth–Edwards Notation)
- Given the F.E.notation as input, output shows all possible moves the player can take at that instance.

ChatApp using web sockets - Socket.IO

INTERNSHIP

Hasura Product Development Foundation (HPDF)

3 months duration Dealt with NodeJS Express, Ajax, HTML, CSS during the tenure building a Web-app

TECHNICAL SKILLS

Programming Skills: Python, Java, C#, C++, C, Shell Scripting
Web Development: Flask, NodeJS-Express, HTML, Ajax, CSS, Javascript
Softwares: Unity3D, LaTeX, AutoCAD, Adobe Photoshop
Libraries: C++ libraries (OpenGL)
Mobile App: Java, React-Native apps
Machine Learning: Keras, Natural Language Processing, Image Processing (OpenCV)
Others: Sphinx documentation, Pytests, Jupyter Notebook

Modified on 31st October 2018

AREAS OF INTEREST: Computer Vision, Artificial Intelligence (Game Planning, Search Methods, Deep Learning and Machine Learning), Algorithms Design

ADDITIONAL COURSES UNDERTAKEN (NPTEL, NASSCOM)

COURSE NAME	UNIVERSITY	PERCENTAGE	DURATION
Deep Learning	IIT Madras	90%	Jul-Oct'18
Artificial Intelligence Search Techniques	IIT Madras	Will be updated soon	Jul-Oct'18
Scalable Data-Science	IIT KGP	70%	Jul-Oct'18
Design and analysis of Algorithms	IIT Madras	70%	Feb-Mar'18
An Introduction to Probability in Computing	IIT Madras	56%	Feb-Mar'18
Data-structures and Algorithms using Python	Chennai Mathematical Institute	92%	Jul-Sep'17
Computer Organisation and Architecture	IIT Madras	77%	Jul-Oct'17
Fundamentals of Databases	IIT Kanpur	70%	Jul-Sep'17
Programming in C++	IIT KGP	86%	Feb-Apr'17
Introduction to Modern Application Development	IIT Madras	75%	Jan-Mar'17

ACADEMIC COURSE WORK
Computer Science: Computer Programming in C, Object Oriented Programming in C++ and Java, Data Structures and Algorithms, Abstractions and Paradigms in Programming Language, Digital Logic Design, Design and Analysis of Algorithms, Computer Organisation and Architecture, Database Management System, Microprocessors and Interfacing, Operating Systems, Computer Graphics, Automata Language Theory, Artificial Intelligence, Data Communications
Mathematics and Statistics: Discrete Structures, Calculus, Linear Algebra, Ordinary Differential Equations, Probability in Computing, Probability and statistics

EXTRA CURRICULAR ACTIVITIES
1) Winner of state level Technical Quiz Competition amongst students from 8 engineering colleges
2) Smart-City Hackathon - State level conducted among all engineering colleges across Telangana - Reached final round
3) BITS ATMOS - Ethical hacking 2 day seminar and participation in Algomaniac
4) Organised 2 day fest, Dhruvamedha'18 and co-ordinated Algomaniac event
5) IBM Blockchain Hackathon - Reached final round (IIT-KGP)
6) Unity3D workshop at MVSR - Active along the session learning C# and Unity3D Features
7) Presented Pac-man game in Project Expo'18 in our college
8) Participated in Capgemini Tech Challenge (Tech Quiz, cleared all three rounds)

LANGUAGES KNOWN
English, Hindi, Telugu, Spanish

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