

K Amulya Reddy

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ACADEMIC QUALIFICATION

COLLEGE	DEGREE	CGPA	AREA
Matrusri Engineering College	B.E (CSE)	9.15/10 (till 4rd Sem) Expected 2020	Hyderabad, Telangana
Narayana Junior College	Board of Intermediate	96.3%	Secunderabad, Telangana
St. Anns' High School	SSC	9.8/10	Secunderabad, Telangana

PROJECTS



Web Scrapers with UI

- Statistical Entity extraction from web (Stock Marketing data analysis , FIFA player analysis)
- Results of students are scraped from College website



Product Development Web-app

- Web-app helps in Organising events



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 [limited]



Graph generator

- Graph of any given math function is generated in the output [python, limited]

Other projects in C++ without UI: Modern Periodic Table, Bus Reservation System, **Chess**

Playing (Forsyth-Edwards Notation) with output as all possible moves, Magic Square, Quiz program

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, Kotlin language, React-Native

Machine Learning: Keras, Natural Language Processing, Image Processing (OpenCV)

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	IITM		Jul-Oct'18
Artificial Intelligence Search Techniques	IITM		Jul-Oct'18
Scalable Data-Science	IIT-KGP	70%	Jul-Oct'18
Design and analysis of Algorithms	IITM	70%	Feb-Mar'18
An Introduction to Probability in Computing	IITM	56%	Feb-Mar'18
Data-structures and Algorithms using Python	CIM	92%	Jul-Sep'17
Computer Organisation and Architecture	IITM	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	IITM	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

Winner of state level Technical Quiz Competition amongst students from 8 engineering colleges
Smart-City Hackathon - State level conducted among all engineering colleges across Telangana - Reached final round

BITS ATMOS - Ethical hacking 2 day seminar and participation in Algomaniac

Organised 2 day fest, Dhruvamedha'18 and co-ordinated Algomaniac event

IBM Blockchain Hackathon - Reached final round (IIT-KGP)

Unity3D workshop at MVSR - Active along the session learning C# and Unity3D Features

Presented Pac-man game in Project Expo'18 in our college

Participated in Capgemini Tech Challenge (Tech Quiz, cleared all three rounds)

LANGUAGES KNOWN

English, Hindi, Telugu, Spanish