






# Maneesh Reddy T

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## Education

B. Tech., Electronics and Communication Engineering		
Koneru Lakshmaiah Education Foundation, Vijayawada, India	8.82/10 CGPA	May 2020*
12th Grade		
Nalanda Vidya Niketan, Vijayawada, India	89%	May 2016
10th Grade		
Nalanda Vidya Niketan, Vijayawada, India	9.8/10 CGPA	May 2014

## Internships and Work Experience

Lead Programmer, Scarlett Moose Entertainment private limited	June 2019 – Present
It is an emerging game development startup company incorporated in May 2019, which plans to release its first game in 2021. <ul style="list-style-type: none"><li>I am working as a Game development Programmer and Networking Engineer.</li><li>Developing using Unity engine with frameworks such as PlayFab integration, WebGL, Android.</li></ul>	
Intern, South Central Railway, India	May 2018 – June 2018
<ul style="list-style-type: none"><li>Trainee in the field of data communication in the Rail Relay Interlocking (RRI) system in railway signaling system.</li><li>Observed some aspects such as fiber-optic communication, panel interlocking, working pattern of railway employees and task division among departments.</li></ul>	

## Skills

**Languages:** C, C++, Python, Java, C#, Bash, Verilog HDL, SQL, JavaScript, HTML5, CSS3

**Technologies:** Git, Django, Amazon Web Services, Unity Engine, Heroku, MongoDB, REST API, MySQL, Bootstrap3, Selenium, LaTeX, Nginx

**Other:** Web Scraping, Ethical hacking, Arduino Programming, Networking, Systems Engineering, Building Bots & Servers

**OS:** Linux – Ubuntu, Arch, Kali; Windows, Mac OS

## Research Experience

Enhancing End-to-End encryption with custom ciphering of messages	Paper under review by Journal of Cryptology
<ul style="list-style-type: none"><li>To protect the users from eavesdropping of multinational companies for marketing purposes, existing model of E2E encryption is augmented with additional level of protection, that can only be altered by the user.</li></ul>	
Distributed Peer-To-Peer Data Storage and Synchronizing Websites	Paper under review by Peer-to-Peer Networking and Applications journal
<ul style="list-style-type: none"><li>Built a web application that delivers content in a peer to peer manner to all the users/systems available in the network using the Bitcoin Cryptography and BitTorrent Protocols, with comparing the transfer speeds of different peers.</li></ul>	
Facial Recognition System on Raspberry Pi with Enhanced Security	Paper published in IEEE ic-ETITE20 Conference
<ul style="list-style-type: none"><li>Enhancing Bank security with Facial Recognition system with OpenCV ML algorithms and notification alert sent using Telegram BOT embedded in Raspberry Pi</li></ul>	
Manage Network Traffic of 5G Wireless Networks using ML algorithms	Term paper report submitted to KLEF
<ul style="list-style-type: none"><li>Term paper research work on SDN with 5G technology, further included an offline content recommendation system with Apriori ML algorithm, to reduce bandwidth.</li></ul>	

## Projects

<b>Morse Code Encoder using Basys3</b>	<a href="#">link</a>
The Morse Code Encoder will convert a single character input into Morse code and display it using the LED's present on the Basys 3 board	
<b>Discord Bot that manages some server tasks with natural language processing</b>	<a href="#">link</a>
Bot hosted on Heroku, added to a Discord channel to simplify tasks by the commands given by different users	
<b>Telegram Bot that monitors Steam market price variations and inform users</b>	<a href="#">link</a>
Self-hosted bot that notifies users about changes in Steam market prices of various specified items - collected using MongoDB	
<b>Cryptocurrency live price tracking with user alert system</b>	<a href="#">link</a>
Using CoinMarketCap API to retrieve live Cryptocurrency prices and notifying users about rise and fall in value of different crypto-coin prices.	
<b>Gaana-Music-Downloader web application using Django</b>	<i>(not open-source)</i>
Web-application developed and hosted using Django & Flask framework, that delivers music files from Gaana website to users	

## Certifications

<b>Introduction to Cyber Security Specialization</b>	New York University	Coursera	Jan 2020	<a href="#">link</a>
<b>Computer Security and Systems Management Specialization</b>	University of Colorado System	Coursera	Dec 2019	<a href="#">link</a>
<b>Computer Communications Specialization</b>	University of Colorado System	Coursera	Aug 2019	<a href="#">link</a>
<b>AWS Fundamentals: Going Cloud-Native</b>	Amazon Web Services	Coursera	Jan 2020	<a href="#">link</a>
<b>Introduction to Game Development</b>	Michigan State University	Coursera	Nov 2019	<a href="#">link</a>

## Workshops & Accomplishments

✓ Presented a paper and poster on Public safety using Internet of Things (IoT) enabled solutions at Zrotriya, a National level technical fest, KLEF	March 2019
✓ Attended a workshop on Basics of Designing a Webpage and App development, KLEF	March 2019
✓ Attended a seminar on entrepreneurship by Ashoka S Kanna founder and CEO of Younify, at KLEF	Jan 2019
✓ Designed a portfolio website about myself and hosted on GitHub pages	Jan 2019
✓ Participated and represented a team in ACM-ICPC 2019 programming competition	Oct 2018
✓ Established a self-hosted cloud server, that serves various clients with data storage and sharing functionality.	Sept 2018
✓ Attended a seminar on Cyber Security - Risk and Awareness conducted by Government of Andhra Pradesh, at KLEF	Feb 2018
✓ Participated and represented a team in ACM-ICPC 2018 programming competition	Nov 2017
✓ Member of the ECE Department student body PULSE which organizes and conducts all the events of the ECE department.	Jan 2017 - Now
✓ Volunteered in the Swatch Bharat campaign to clean streets and roads, by KLEF	Oct 2017
✓ 1 <sup>st</sup> place in Week-of-Programming challenge conducted by KLEF	Dec 2016