

INTERNSHIPS

Kernel Engineer	DOS Lab, IIT Madras	Summer 2018
<ul style="list-style-type: none">• BOSSMOOL: Indian GNU/Linux Distribution developed by CDAC and IITM, aims at redesigning the existing kernel with minimal core object-oriented components.• Converted the Linux kernel to MOOL kernel for both desktop (4.14.41) and Android (4.4).• Debugged the errors occurred during kernel compilation and boot up.• Successfully inserted a C++ kernel module into the MOOL kernel.		
Research Intern	NIT Warangal	Summer 2016
<ul style="list-style-type: none">• Implementing Bio-Inspired Algorithms (PSO, GA, TLBO and their hybrids) in MATLAB.• Comparing the performance of these algorithms using benchmark optimisation functions like Sphere function. Worked on the problem of mobile robot path planning in complex environments.		

PUBLICATIONS

- A novel approach to balance the trade-off between security and energy consumption in WSN. **IEEE Xplore 2018.**
- Comparison of PSO algorithms for mobile robot path planning in complex environments. **Apple Academic Press 2017.**

EDUCATION

YEAR	DEGREE	INSTITUTE	CGPA/MARKS
2015 – Present	Computer Science & Engg	NIT Andhra Pradesh	9.23 out of 10
2013-2015	Intermediate (10 + 2)	Sri Chaitanya Junior College	982 out of 1000
2013	SSC (10 th)	Good Samaritan High School	9.8 out of 10

TECHNICAL EXPERIENCE: PROJECTS

Computer Virus Detector (2017)	Given an executable file, the machine learning models developed using various algorithms can classify whether it is a malware or benign. Java, weka, strace.
Events Manager (2017)	Android application that enables users to register for the events of a fest. It can be used to notify/update the users about event's details or any change in the event. Android Studio, SQL, Firebase, PHP, Volley.
Todo Web app (2018)	A simple interface has been developed for the users enabling them to manage their tasks for the day. Django web framework.
Feedback Chatbot (2018)	Retrieves user's feedback by asking some questions. Also, it retrieves comments on the service provided to the user. Dialog flow, Nodejs, MongoDB.
Anomaly Detection (Current Project)	A Deep Learning model is to be developed that can accurately predict crime in live CCTV footage and notify the authorities. Python, tensorflow, keras.

ADDITIONAL EXPERIENCES AND AWARDS

- Secured rank 299 in the Inter NIT coding competition, 2018.
- Rating of 1515 in the HackerEarth platform: Competitive programming since 2017.
- Bagged gold medals for being the academic topper in the 4th and 5th semesters.
- Internshala student partner 2018, Class Review Committee member 2017 & Codechef campus ambassador.

TOOLS, LANGUAGES AND TECHNOLOGIES

- C; C++; Java; Python; Django; PHP; SQL; R; Matlab; Android Studio; Wireshark; Github; Rational Rose; Latex.
- Machine Learning; Linux Kernel; Mobile and web app development; Blockchain; Hadoop Map-Reduce.