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EDUCATION

Vellore Institute of Technology, Chennai Campus Chennai
Bachelor of Technology in Computer Science and Engineering, 4th Year Student

PROJECT EXPERIENCE

Image processing to find Adulteration in rice.

- Developed a project to find Adulteration in Rice using edge based image segmentation.

Build Monte Carlo Simulation to simulate two investment strategies.

- Created a Model for Monte Carlo simulation, derived probability for random number generation and then simulated two investment strategies to determine which is the best.

Created a complete network.

- Built a DNS, DHCP and web server in Linux Mint OS.

Made a new algorithm to for line clipping for any n sided convex polygon.

- We used graph theory concept of planarity of graph to devise a new algorithm. We presented the same in ISBCC conference.

Distributed computing for brute forcing WIFI password.

- Use computing power of 'n' mobile phones to reduce the time required for brute forcing password..

An IOT system which detects road accidents and ensures medical help.

- We find the nearest hospital and send the geolocation of the victim to that hospital.

COMPUTER AND TECHNICAL SKILLS

Operating Systems

- Windows 8.1 ; Linux Mint ; RHEL ; Ubuntu 14.04 LTS

Programming Languages.

- C ; C++ ; Python; MATLA;

Other Computing Knowledge

- Working knowledge on Computer Networks, Command line proficiency, Shell scripting

SKILLS AND CERTIFICATIONS

- Conducted a workshop on "How to build the Internet" with more than 50 participants.
- Conducted a workshop on "How the Internet works" with more than 30 participants.
- Earned a certificate on Networking through Nettech at IIT KGP.
- Earned Special mention at an MUN representing Ukraine in WTO.
- Earned a certificate from Yale through Coursera on the subject "Financial markets".
- Won 3rd prize in Tamil Nadu at CII Hackathon 2016 creating IOT device to rescue people from road accidents. (The last project mentioned above).
- Won 3rd Prize at VITCC Makeathon.
- Presented Paper in ISBCC conference on "Line clipping for n sided polygon window".