Akanksha Sonkar

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EDUCATION

SRM Institute of Science & Technology - Kattankulathur, TN | Bachelor of Technology
Software Engineering, Expected in 2021
Percentage Upto 4th semester- 85.51%

Devi Rukmani Higher Secondary School - Khargone, MP | Senior Secondary
PCM With Computer Science With C++, 2017
CBSE 85%(2017)

Bal Bharati Public School - NTPC Township, Sipat | Secondary
2015
CGPA-9.8/10

EXPERIENCE

NETWORK ENGINEER TRAINEE | 06/2019 to Current
NTPC Khargone - Selda, MP

- Studied and analysed network communication, implementation, and maintenance of routers, switches, firewalls, MPLS and ISDN network
- Created a graphical ping monitoring utility in java that sends standard ICMP pings to company servers, computers, printers, surveillance cameras and other equipment
- Features of mentioned project - The coloured textarea enables a simpler monitoring experiences . A Pop up during connection changes . JLabel that can display IP address/ Alias name of device. Ping packets are sent every 2 mins to reduce wastage
- Mentioned features make the traditional use of ping command in cmd more readable, requires less attention from network engineer to the screen and reduces the load on the network

TECHNICAL SKILLS

- Programming Languages- Java, C++/C, C#,Python
- Frameworks/Platforms- VS Code
- Operating Systems: UNIX, Windows
- Deep learning Frameworks : TensorFlow, Keras,OpenCV
- Network device monitoring,Network systems installation

ON CAMPUS INVOLVEMENT

Part of ACM Student chapter SIGAI.
Member of SRM Competitive Programming club . Codechef handle- noob_007

PROJECTS

Heart Disease Prediction-
- Made Neural network that trained on patient dataset by University of California in UCI that predicted heart disease and which kind if present
- Tools Used- Scikitlearn, Keras,Pandas,Numpy

PDF Converter-
- Takes a code file and converts it into PDF implemented in Python
- Particularly handy for assignment submission for college students

IP Locator-
- Wrote program that can look up an IP address and return the geo-location
- Implemented in Java and used ipinfo.io for retrieving information regarding IP address

Unattended Baggage Detection -
- The purpose of this project was to monitor surveillance feed in airports or railway station and to detect any baggage which is left unattended
- Tools used:Using Deep Neural Networks,OpenCV,matplotlib,requests,numpy

Twitter sentiment analysis-
- The goal of this project was to categorise a tweet into positive, negative or neutral.We rathered the tweets , cleaned , tokenised and stemmed them to create a dataset
- We explored various ways to visualize these raw data and extract sentiment

Social recommendation system-
- This project suggest some social events based on the information collected from the user through facebook. We text analyse events. Use recommendation ,hybrid feature-weighted system.
- Tools used:MongoDB,Facebook Graph API,Guess-language