NIKHIL METTUPALLY

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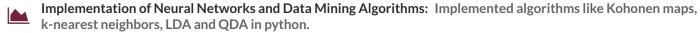
github.com/Nikhil0417

EDUCATION

SKILLS

Programming	Python C++ Java HTML/CSS SQL JavaScript
Developer Too	ols CUDA Tableau TensorFlow Keras KNIME Visual Studio MATLAB IXIA
Key Courses	Machine Learning Data Mining Big Data Analytics Neural Networks
Artificial Intelligence and Game Development Software Engineering Computer Networks Cryptography	

PROJECTS









Software Engineering Case Study: Analyzed and designed requirements for software applications. Prepared use cases, test cases to verify their integrity and functionality. Applications include Square Cash, Wells Fargo Mobile Application, Skype.

EEG Signal Processing using MATLAB: Processed the raw EEG signals, Classified the signals using machine learning technique SVM and obtained classification rate of 95%. (Technology used: MATLAB)

EXPERIENCE

Graduate Teaching Assistant University of Alabama in Huntsville

🛗 Jan 2018 - Present

Responsible for assisting undergraduate students in Unix (CS390) and Operating Systems (CS490) courses

Research & Development Engineer NOKIA, Bangalore, India

- Responsible for the Integration and Verification of the Transport Module in SRAN (Single Radio Access Network) Team. Experience working in an agile environment with test-driven development.
- Part of the SRAN Automation team, worked on ROBOT (Automation framework) and developed libraries in python to test the Web-based software. Key involvement in test case automation.
- Worked on telecommunication features such as LTE protocol stack, QoS, IPSec, IP traffic measurement techniques, User equipment(UE) Handover scenarios, Load balancing and Power optimization.
- System robustness testing using IXIA traffic generators for transport protocols
- Installed and tested the MACG (Massive Android Call Generator) Server to make remote test calls.
- Experience with configuring firewalls, Cisco switches, routers and Unix based SUN-servers.

Project Trainee(Intern) Center for Artificial Intelligence and Robotics (CAIR), India

Jul 2014 - Dec 2014

• Empirical evaluation of Convolutional Neural Networks (CNN) on large scale videos using image datasets in application to Human Activity Analysis.

PUBLICATIONS

• Mettupally, Nikhil and Dr. Vineetha Menon (2018). "InstaPark-Smart Parking Solution". In: 4th Annual Research Horizon Day, Appeared in April.

LEADERSHIP

- $\bullet\;$ Event programmer at the Association of Campus Entertainment (ACE), UAH
- Volunteer in the Office of Student Life at University of Alabama in Huntsville
- Treasurer, IEEE Student Branch at BITS-Pilani, Hyderabad