Ravitha Rajalakshmi.N

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myravithar@gmail.com

**Looking for opportunities to enhance my knowledge in Artificial Intelligence.
Motivated towards building innovative solutions for the betterment of Mankind**

Academic Qualification	M.E(Biometics and Cyber Security) ** Currently Pursuing part-time PhD in the domain "Medical Image Analysis using Deep Learning"*

WORK EXPERIENCE

Assistant Professor, PSG College of Technology, Coimbatore, India   *May 2013 - Current*

- **Co-principal Investigator in UGC sponsored project**
  Created a framework for user authentication using Touch Dynamics for mobile device
- Mentored the student project **Intelligent IDS using IoT** which received a cash reward from PSG - STEP
  Proposed an idea where auto update feature is enabled for the systems in network
- Tutor at Dept Of Information Technology. Handled courses on Image Processing and Deep Learning

Assistant Professor, Coimbatore Institute of Technology, Coimbatore, India   *May 2012 - May 2013*

- Prepared lesson plans for course Network Programming
- Handled programming languages for Non-CS students

PUBLICATIONS

1. Ravitha Rajalakshmi N, PavithraDevi N S, Vidhyapriya R, "**Automated Detection of the severity of Diabetic Retinopathy using Pre-trained CNN**", National Conference on Research and Challenges in IT, May 2017.
2. Manaj Kumar Voona, Ravitha Rajalakshmi N, "**Touchless Palm Biometrics**", National Journal of Technology, Vol.11 No.4, pp. 17-22, Mar 2016.
3. K. V. Hari Krishnan, Ravitha Rajalakshmi N, "**Cost Efficient Security Solution for the Internet of Things**", National Journal of Technology, Vol.12 No.2, pp. 32-37, June 2016.
4. Manaj kumar voona, Ravitha Rajalakshmi N, "**Lead Prioritization Modeling For An Insurer**" Proceedings of Conference on Innovative Technologies in Information, Biometrics and Security (CITIBS - 2015),pp.no: 254 - 259 April 24 - 25, 2015.
5. Senthilprabha R, VidhyaPriya R, Ravitha Rajalakshmi N, "**Performance analysis for a Touch dynamic authentication system with reduced feature set using neural networks**", IETE Journal of Research, Sep 2015.
6. Ravitha Rajalakshmi N, SenthilPrabha R, "**A secured authentication framework for touch screen featured mobile devices**" in the proceedings of the International Conference on Innovations in Computers, Information and Communication, January 5-7, 2011.

Patent :   Filed a Patent titled "**System and Method for Continuous Touch dynamic User Authentication**" with IPO [**Patent Application number: 201641041414**]

EDUCATION

- Postgraduate (M.E Biometrics and Cyber Security) at PSG College of Technology ,Coimbatore, India
  Image Processing, Digital Forensics, Ethical Hacking, Wireless Networks, Intrusion Detection System
- Undergraduate (Information Technology) at Sri Krishna College of Engineering and Technology, Coimbatore, India
  Data Mining, System Software, Computer Architecture, Operating Systems, Web Technology

COMPUTER SKILLS

Advanced : **MATLAB, C, C++, JAVA**
Intermediate : **PYTHON (Libraries : Keras, numpy, matplotlib, pandas, opencv)**

AWARDS AND ACHIEVEMENTS

- *Participated in MICCAI CPM contest based challenge on **Combined Radiology and Pathology** for detecting brain tumors. The proposed model had a standing at fourth place with **an accuracy of 75%***
  Github link : https://github.com/Ravitha89/Combined-Pathology-and-Radiology
- **Best Outgoing Student award** (M.E BCS) - P.S.G College of Technology
- **Best Project Award** (M.E BCS) for the project titled "Touch Dynamic Based Authentication for Mobile Devices" - P.S.G College of Technology
- **Academic Excellence Award** (B.Tech I.T) - Sri Krishna College of Engineering and Technology.
- **University Rank Holder** (B.Tech I.T) – Anna University
- **Cash Reward** in Coding competition organized by SHELL Company
- Mentor - **Technovator project "Intelligent IDS using IoT".**

TALKS

- **"Moving Beyond Business Intelligence"** in Ninth National Conference on Computing, Communication and Information Systems – NCCCIS -2017 - Sri Krishna College of Engineering and Technology - Feb 24, 2017.
- "**Machine Learning using MLlib in Spark**" in one week FDP on Hadoop and Cloud Computing - PSG College of Technology - Sep 12, 2016.
- "**Introduction to Spark Framework**" in one week FDP on Big Data Analytics - PSG College of Technology - July 27, 2016.
- Hands-on Training classes on "**Setting up Single node Hadoop cluster**" in FDP - PSG College of Arts and Science - July 16, 2016.
- "**Recommendation Systems**" in Two days FDP on Data Mining using Orange and R tools - Sri Krishna College of Engineering and Technology - Mar 13, 2015.