

Madhava Gaikwad

7+ years of product development experience.

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<https://github.com/krimler/>

Programming: Distributed Systems development using C, Java & Python on Linux.

Domain: Data Structures & Algorithms for User Authentication, Privacy & NLP.

Protocols: TCP/IP, SSL/TLS, HTTP, SAML, RADIUS, Differential Privacy.

Work Experience:

Cisco Systems	Bangalore, India	June 2012	Current	Ironport Web Security	Technical Leader
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- Invented & coded Privacy Preserved Traffic Analysis, a novel framework for Traffic Analysis.
- Developed Emotion AI for Web Transactions to detect enterprise mental health.
- Developed software Graph representation of enterprise web access & corresponding threat association.
- Design, Development and Tuning of Machine learning models addressing Speech Processing and Natural Language Processing.
- Analysis of speech/audio input and fine tuning of ML models to address Noise, Accent, language variations, CMUSphinx.
- Audio Signal Processing, Microphone input processing, Echo/Noise cancellation
- spoken text analysis, intent/entity parsing, dialogue management, context analysis etc.
- Deep Learning using ANN, RNN, LSTM, on TensorFlow.
- Machine Learning using SVM, Decision Tree, Random Forest, XGBoost on scikit-learn.

Research Conferences/Publications:

Time Line	Publication	Conference	Place
Jan 2020	Paper on Privacy Defined Security.	6th Cisco Internal Data Science Summit	Prague, CZ
Jan 2019	Paper on Emotion AI for Emails.	5th Cisco Internal Data Science Summit	Prague, CZ
Nov 2018	Poster on Deep Reinforcement Learning based Load Balancing.	18th ACM Internet Measurement Conference (ACM IMC)	Boston, MA, USA

Education:

Bachelor Of Engineering in Information Technology from Govt College of Engineering, Karad, Shivaji University in 2006.