

VIDUSHI WANCHOO

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Having loved to code in C++ during my B.Tech. days, I would love to get my hands back to coding from teaching. I hold professional experience in teaching B.Tech & M.Tech students for around 5 years. I also have professional experience in **Wordpress** Frontend development. Here is one of my works - <http://rdpschool.edu.in/>.

EXPERIENCE (4.5 years)

- Working as a **Consultant** in the Technical Team of Data Security Council of India (**DSCI**) from February 2020 to May 2020
- Worked as Assistant Professor in **Delhi Technical Campus (DTC)** from July 2019 to February 2020
- Worked as Assistant Professor in **National Institute of Technology (NIT) Delhi** from August 2017 to May 2018
- Worked as Visiting Faculty in **Delhi Technological University (DTU), Delhi** from April 2016 to December 2016
- Worked as Assistant Professor Grade I in **Jaypee Institute of Information Technology (JIIT), Noida** from December 2012 to December 2014.

INTERNSHIP / ASSISTANTSHIP

- Worked as a **Teaching Assistant** for Discrete Mathematics, Database Management System courses at IIIT-Delhi for 2 years.
- Worked as an intern with **Uninor Information Security, Gurgaon** team (Mentor: Mr. Deepak Rout).

PROFESSIONAL & ACADEMIC EDUCATION

2018- P.G Diploma in Counselling & Spiritual Health from **Annamalai University**

2012 - M. Tech. (Computer Science & Engineering with specialization in Information Security) from **Indraprastha Institute of Information Technology (IIIT), Delhi** with **CGPA- 7.8**.

2009 - B. Tech. (Computer Science & Engineering) from the **Institute of Technology & Management** (affiliated to Maharshi Dayanand University, Rohtak), **Gurgaon** with **71%**.

2005- Senior Secondary School Certificate Examination (XII) from CBSE New Delhi with **81.33%**.

2003- Secondary School Certificate Examination (X) from CBSE New Delhi with 85.80%.

ACHIEVEMENTS

- **Rank Holder** in the entrance examination of **M. Tech. Indraprastha Institute of Information Technology (IIT), Delhi**.
- **Teaching Assistantship Fellowship** in **Indraprastha Institute of Information Technology (IIT), Delhi** from August 2010 – June 2012.

TRAINING & PROJECTS UNDERTAKEN

- Estimation of software effort by applying different classifiers.
- Anonymous Browser which aimed to enhance the anonymity of a distributed group of users by changing the browser fingerprint of the user.
- Deployed a Keylogger on victim's machines in order to study the security and privacy implications of the same.
- Domain Review on Steganography.
- Domain Review on different classifiers.
- Scholarly paper on the subject of Machine Learning and Cryptography.

B. TECH. PROJECTS SUPERVISION

- Automated Feedback Generation System using Facial Emotion Recognition** Generating feedback of users on video content without the actual intervention of the user. Apart from generating feedback for an advertisement, this can also be used to get opinions of people wherever communication or language becomes a hindrance either due to illiteracy or not knowing the language.
- AUSCONSULT** To develop a low-cost stethoscope solution which can record and store the internal body sounds of patients' heart and lungs which will assist physicians in making careful observations and tagging illnesses to the sounds and training a machine learning model on recorded and tagged sounds to auto-suggest the illness.
- Financial Profiling (Analytics and Automation)** To devise a mechanism that analyzes a consumer's savings account data to detect known patterns and their attributes to arrive at a deterministic set of classes. Each class thereby exhibits certain characteristics that can further be used to generalize the behaviour of consumers in that class. Another goal is to calculate the risk score using the user's transactional data and hence incorporate risk management into the project.

RESEARCH PAPERS

- Automated Feedback Generation System Using Facial Emotion Recognition, 3rd **IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT - 2018)**, Bangalore, May 18-19, 2018, Accepted.
- Medical Diagnosis of Ailments through supervised learning techniques on sounds of the heart and lungs, **International Conference on Soft Computing and Signal Processing (ICSCSP2k18)**, Hyderabad, June 22-23, 2018, Accepted.

TECHNICAL EXPERTISE

Languages: C, C++, Java (Core)

Operating System: Windows 95/98/2000/XP/Vista/2007

E.T.L Tools: MS OFFICE

Web Designing: HTML, Wordpress

PERSONAL DETAILS

Father's name: Mr. Ramesh KumarWanchoo

Mother's name: Mrs. Rajni Mantoo

Date of birth: 02-Sep-1988

Marital Status: Married

Reference:

a. Dr. Harish Kumar, Associate Professor & HoD (Mechanical Engineering), National Institute of Technology, Delhi; **Email:** harishkumar@nitdelhi.ac.in; **Mobile:**09718456603

b. Dr. Kapil Kumar, Assistant Professor (Applied Sciences), National Institute of Technology, Delhi; **Email:** kapilkumar@nitdelhi.ac.in; **Mobile:**087556 04422