

Harshitha Ravindra

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RESEARCH OBJECTIVE:

An enthusiastic, adaptive and fast-learning person with a broad and acute interest in the discovery of new innovative in technology, I particularly enjoy collaborating with scientists from different disciplines to develop new skills and solve new challenges.

PROFILE:

- Highly competent and result oriented professional with total 7 years of experience
 - 2 years of experience in research on Big Data, Data Science
 - 3.6 years of experience in Teaching
 - 2.2 years of experience in Banking Domain AML (Anti- Money Laundering), SQL and JAVA/J2EE.
 - 10 months as Project Trainee on Hand Gesture recognition System.
- Research Area includes Data Science, Machine Learning, Deep Learning
- Experience in Hadoop 2.6, Neural Networks Learning
- Good knowledge of Object Oriented Programming concepts and Software Development Life Cycle.
- Good knowledge in SQL DB or ORACLE DB
- Good experience in technologies like Python 3 with data science libraries, Core Java, JSP, Servlets, SQL server with deployment using apache tomcat server.
- Highly motivated, commitment towards work and good team player with ability to learn and grow and adapt to changes.

EXPERIENCE:

- Working as **Senior Research Fellow** at **GVCL Lab, IIIT- Bangalore** from August, 2018 till present.
- Worked as **Assistant Professor** in **B. M. S. College of Engineering**, Bangalore from September 2014 to July, 2018 present.
- Worked as Software Engineer in L & T INFOTECH, Bangalore from July 2012 till present.
- Worked as Project Trainee in CAIR (DRDO), Bangalore from September 2011 to June 2012.

EDUCATION:

- Pursuing **Doctor of Philosophy** in the Data Science Doamin at **Indian Institution of Information Technology, Bangalore**. (Joined in the year Aug, 2018)
- **M.Tech** from **CMR Institute of technology, Bangalore** (CMRIT) passed out in the year 2012. Specializations: Computer Network and Engineering securing 74%.
- **BE** from **Reva Institute of technology and Management, Bangalore** (RITM) passed out in the year 2010. Specializations: Information Science and Engineering securing 72%.
- II PUC from SJM College, Chitradurga (PU Board) passed out in the year of 2006 securing 79%.
- 10th from Nirmala Convent, Mysore (SSLC Board) passed out in the year of 2004 securing 76%.

TECHNICAL PROFICIENCY:

Programming Languages	Python 3, Java, HTML, JavaScript
Database	Oracle, Hadoop, MongoDB
Operating System	Windows, Unix
Libraries	NumPy, Pandas, Matplotlib

SUBJECTS HANDLED:

Sl. No.	Subject Name	Average Feedback
1.	Big Data and Analytics	91%
2.	DBMS	89%
3.	OOPs with Java	88%
4.	Object Oriented modeling and design	83%
5.	Programming with C++	73%

WORKSHOPS CONDUCTED/ ORGANIZED:

Sl. No.	Details of Conferences/Seminars/Workshops/Value Added Course	No. of Participants	Dates (From – To)	Resource Person
1.	Faculty Development program on Data Science Using Machine Learning.	30(Faculty)	22/2/2018 - 26/2/2018	Yes
2.	Conducted Organized a day workshop “Programming Challenges using Python”	32 (Student)	17/03/2018	No
3.	Conducted hands on session on “Machine Learning and Data Science”	30(Students)	12/01/2015 - 17/01/2015	Yes
4.	Conducted workshop on “Big data with Hadoop”.	28(Students)	10/09/2015 - 12/09/2015	Yes

WORKSHOPS ATTENDED:

Sl. No.	Details of Conferences/Seminars/Workshops	Dates (From – To)
1.	FDP on Hands on session on cloud computing, big data, information and network security and SAN at SVCE, Bangalore.	19 th Jan, 2015 to 23th Jan, 2105
2.	Two Week ISTE STTP on Introduction to Design of Algorithms conducted by IIT Kharagpur National Mission on Education through ICT (MHRD, Govt. of India).	25 th May, 2015 to 30 th May, 2015
3.	FDP “Machine Intelligence and Image Processing” at SJBIT.	20 July to 24 July
4.	Faculty Enablement Program on “Big Data and Analytics” at Infosys Limited, Bangalore.	10th Aug 2015 to 14th Aug 2015
5.	Train the Trainer Program (TTT) on “Python Programming Fundamentals”, Nitte Meenakshi Institute of technology, Bangalore.	4th to 6th January 2016

6.	Workshop on Big Data and Hadoop at Dr.AIT, Bangalore.	28th and 29th April 2016
7.	Workshop on “Programming in Python “, BMSCE.	19th may 2016 and 20th may 2016
8.	Workshop on “Essentials of Pedagogy” at BMSCE	25th July 2016 to 29th July 2016
9.	Foundation Program in ICT for Education	3rd Aug 2017 to 7th Sep 2017
10.	Pedagogy for Online and Blended teaching-Learning Process	14th Sep to 12th October 2017

CERTIFICATION:

Sl. No.	MOOC Course	MOOC Platform
1.	Neural Network and Deep Learning - 2018	Coursera
2.	Database Management Systems - 2018	NPTEL

PUBLICATION DETAILS:

1. P Natasha P, Nikitha T, Shreyansh Bhattar, Subhashish K, Harshitha R, “Detection of Mental Stress using EEG signals”, International Journal of Engineering and Techniques, Vol. 4, Issue 1, March 2018.

2. Dr. Kayarvizhy N, Panimozhi K, Harshitha R, “Internet of Things: A Project Based Engineering Course”, 5th IEEE International Conference on MOOCs, Innovation and Technology in Education, 2017.

3. Feroz S, Poornima U, Shruthi G L, Harshitha R, “A Survey On Image Processing Techniques”, International Journal of Emerging Technologies and Innovative Research, Vol. 3, Issue 2, March 2016.

4. Harshitha R, Rekha G S, Dr. H S Guruprasad, “A Survey on Scheduling Techniques in Hadoop”, International Journal of Engineering Development and Research, 2014 IJEDR | Volume 3, Issue 1 | ISSN: 2321-9939.

5. Harshitha R (CMRIT), Imran A Syed (DRDO), Sangeeta Srivasthava (DRDO), “HCI using hand gesture recognition for Digital Sand Model”, 2013 IEEE Second International Conference on Image Information Processing.

PROJECT DETAILS:

PROJECT AT L & T INFOTECH (2 years)

Project name: CITI OLMPIYA
Role: Software Engineer
Client: CITI Bank
Duration: July 2012 to Present

Project Description:

Project Olympia will implement an Enterprise Wide Case Management system to support Citi's global surveillance and transactions monitoring processes and procedures. The new system enhances Actimize Risk Case Manager (RCM) and replaces the current Case Management Tool (CMT) called Quickscreen. The new system will be flexible and customizable to support the current business needs and address future business requirements, as they arise.

Contribution:

- Development for the AML application used by the client
- Fixing defects raised by the users and helping users to resolve the issues faced by them
- Coding & Unit testing
- Implementation & Post implementation support

Technology, Tools & Server used:

Java, JQuery, SQL, Actimize Modular, Actimize Designer, Websphere

PROJECT FOR FINAL YEAR MTECH CURRICULAM (DRDO – CAIR):

Project name: HCI using Hand Gesture Recognition for Digital Sand Model

Role: Project Trainee (DRDO)

Duration: June 2011 to June 2012

Project Description:

The main objective of this project is to develop a hand recognition system for a better human interaction for digital sand model for military use. Hand is extracted from static image taken through the camera where the image will be preprocessed and post processed using image processing. The gestures are been defined for particular actions using HMM and SVM.

Contribution:

- Root cause analysis & designing
- Data generation
- Coding & Unit testing
- Review & Documentation
- Implementation & Post implementation support
- Paper published in IEEE Conference

Technology, Tools & Server used:

OpenCV library, Image processing, C++, Microsoft Visual Studio

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