

MAYANK MURALI

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EXPERIENCE

- Full Stack Developer** **Agrometrics Analytics & Technology Pvt.Ltd.** **Jan 2019–April 2019**
- Developed a software product “FarmPro” – an ARP system for agri-business. Was instrumental in building ‘Seed Plan’, ‘Seed Hauling’ and ‘Seed Cutting’ modules of “FarmPro”.
- Teaching Assistant** **The Pennsylvania State University** **Spring 2020**
- Facilitated cognitive learning on ‘Introduction to System Programming (CMPSC 311)’ course for B.Tech.CSE students for 20 credit hours which included tutoring sessions as well as counselling students in need.

EDUCATION

- University Park, PA** **The Pennsylvania State University** **2019–2021(Expected)**
- Master of Science, Computer Science, GPA: 2.9/4
 - Selected Coursework: Algorithm Design and Analysis (Fall 2019), Fundamentals of Computer Architecture (Fall 2019), Digital Image Processing II (Spring 2020), Pattern Recognition and Machine Learning (Spring 2020).
- Chennai, India** **Vellore Institute of Technology** **2019**
- Bachelor of Technology, Computer Science and Technology, GPA: 8.37/10

TECHNICAL EXPERIENCE (UNIVERSITY PROJECTS)

- Data Analytics on IoT-based Health Monitoring System** (July 2017 - Jan 2018) Application of machine learning classifiers such as Naïve Bayes, Random Forest Tree and SVM on a health-care dataset to compare the efficiency based on factors such as accuracy, precision and classification time on Anaconda tool. The dataset was obtained by measuring the heartbeat and body temperature using Arduino and sensors.
- Developing Out-of-Order Pipeline** (Fall 2019) Out-of-Order pipeline based on MIPS R10K processor,

ADDITIONAL EXPERIENCE AND AWARDS

- Microsoft, Networking Fundamentals Certification:** was awarded ‘Microsoft Technology Associate 2018’.
 - Conference Presentation, Lead Author:** Presented (oral) a paper titled ‘Data Analytics on IoT-based Health Monitoring System’ in ‘International Conference of Cognitive IoT with Big Data and Cloud’ (ICCIBC 2018) organized by Department of Computer Science, Hindustan Institute of Technology & Science, Chennai, India during Oct. 25-26, 2018.
 - TEDx Event Management:** Executive member of Organization Committee of TEDx VIT Chennai hosted by the English Literary Association.
- ENACTUS for Social Uplift, Project Lead:** Student Member of Enactus VIT Chennai during the years 2017 and 2018, for implementation of community outreach projects.

LANGUAGES AND TECHNOLOGIES

- Programming/Scripting Languages:** C, C++, Java, Python, MySQL, HTML, JavaScript, Ajax, XML, JSP.
- Framework and tools:** Hadoop, Pandas, MATLAB, LaTeX, Git, Visual Studio.

RESEARCH PUBLICATIONS

- M. Murali, M. Bhargava, G. Sneha, A. Anand, Md. A. Haque and V.R. Sarobin, “Data Analytics on IoT-based Health monitoring system”, International Journal of Recent Technology & Engineering** (Scopus- indexed) – ISSN:2277-3878, Volume-8, Issue-1 .
- B. Sahoo, A. Maharana, M. Murali, L. Shivani, G. Suganya and M. Premalatha, “Low-Cost Air Sensing System,” 2019 3rd International Conference on Computing and Communications Technologies (ICCCCT), Chennai, India, 2019, pp. 258-267. doi: 10.1109/ICCCCT2.2019.8824890**