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Kaushik Manchiraju

EDUCATION

VIT University, Vellore
Class of '18

B.Tech. Computer Science ('14 – '18)

CGPA : 7.8

Relevant courses : C Programming, Object Oriented Programming, Data Structures and Algorithms, Algorithms and Data Analysis, Data Warehousing and Data Mining, Soft Computing, Internet and Web Prog.,

ORGANIZATIONS

Summer Intern, NIC Delhi
http://www.nic.in/ (May '17 – July '17)

Summer Trainee, IBM Noida
http://ibm.com/in-en (May '16 –July'16)

Tech. Core Member, IEEE EDS
VIT, Vellore

Member, Mozilla Firefox Club.
VIT, Vellore

Tech. Core Member, DynamiX Computer Clan, Ramjas School
http://dynamix.co.in/

TECHNICAL SKILLS

C; C++; Java; R; Python
MySQL; PHP; HTML; CSS

AREA OF INTEREST

Java/C++ Programming, Machine Learning, Data Science, Artificial Intelligence

EXPERIENCE

UBS WMA

Worked on developing Machine learning based tools to predict the severity of defects using the defect data with QA – using Python and Dash.
Data analytics and visualization using D3.JS to create hotspots in different applications within WMA.
Developed scripts for automation testing in Java (selenium).
Domain knowledge of Security backed lending and Mortgages in banking.

National Informatics Centre / Summer Intern
http://www.nic.in/ (GIS Division)

May '17 – July '17

Worked on developing a website for Ministry of Food Processing Industry, Govt. of India for the World Food India initiative (Nov 2017)
Developed a web service which would extract data from the database and display it on a map service

IBM Noida/ Summer Trainee
http://www.ibm.com/in-en

May '16 – July '16

Worked on developing a Quiz Application using Android Studio
Worked on developing cross platform applications using IBM's Bluemix

SELECTED PROJECTS

Fault Diagnosis of Ball bearings using ANN and SVM
(Operations Research/MEE437)

Compared the accuracy of ANN and SVM for the fault diagnosis of ball bearing data.
Developed a Python script to train on a given dataset and test it on untrained data.
Research Paper under progress.

Landmine Detection (Image and Vision Computing / CSE327)

Developed R scripts which would clean the LANDSAT images for noise and detect landmines based on their thermal properties.
Review Paper Submitted.

Speech Controlled Electronic Devices (Embedded Systems/CSE322)

Developed Windows Application using Visual Studio and Speech Recognition modules provided by Microsoft – to control external electronic devices through voice input.