SUCHETHA ISHWARA BHAT

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EDUCATION

University of Southern California, Los Angeles, USA   December 2021
Master of Science, Computer Science Data Science
Overall GPA - 3.83

Visvesvaraya Technological University, Karnataka, India   June 2017
Bachelor of Engineering, Information Science & Engineering
Overall Percentage - 76%

SKILLS

Machine Learning | Python | Web Scraping | Data Mining | Big Data | Octave | MS SQL Server Management Studio | MySQL Workbench | SQL | NoSQL | Arduino | C++ | C | MATLAB | Image Processing | AWS | JavaScript | IT Risk Management | MS Office

WORK EXPERIENCE

Student Worker, Center for Global Supply Chain Management Center, USC Marshall, CA, USA   September 2020–Present
- Performing web scraping to improve efficiency in student data acquisition process
- Involved in organizing multiple events by handling communications and website development & maintenance
- Assisting Prof. Nick Vyas with course material and grading for DSO 557 course - Global Supply Chain in International Settings

Software Development Intern, Oceanfrogs, Bangalore, India   August 2019–November 2019
- Performed web scraping and web crawling using Selenium and BeautifulSoup libraries in Python to acquire data
- Strategized and developed unique logic that helped expand customer base of clients
- Automated the entire data acquisition process that improved the process efficiency by approximately 90%

Analyst, Ernst & Young LLP, Bangalore, India   June 2017–May 2019
- Formulated & implemented policies & controls ensuring GDPR compliance for captive unit of a European Bank
- Analyzed client's system data to ensure SOX compliance using IT General Controls for an American financial services company
- Identified potential risks in system data and developed risk mitigation plans

PROJECTS

Machine Learning Models   October 2020–December 2020
Technologies used – Python (with libraries such as numpy, scikit-learn)
Implemented class of ML algorithms including K-Nearest Neighbors, Linear Regression, Binary and Multi-Class Classification, K-means, Neural Networks (MLP) and HMM

GEOCODE Data Reader   September 2020 – November 2020
Technologies used – AWS, JavaScript, HTML, CSS, NoSQL
Developed a serverless web application to provide unique universal code (GEOCODE) to institutions for easy certification of institution credentials by companies like IERF by following Agile Incremental Commitment Spiral Model (ICSM)

Frequent Itemsets and Recommendation System using Yelp Dataset of Business and Users   May 2020–July 2020
Technologies used – Python (with libraries such as Pyspark)
Implemented SON algorithm with Apriori and PCY algorithms (via MapReduce) to find frequent itemsets within 10s and developed Content-based (accuracy – 0.9) and Collaborative-Filtering (item-based with accuracy – 0.9 and user-based with accuracy – 0.7) recommendation system

Smart Agriculture with Sensor-Based Network and Machine Learning   March 2015–May 2017
Technologies used - Arduino Uno, Python (with libraries such as scikit-learn, numpy, pandas, seaborn, matplotlib, Tkinter)
Developed prototype for early detection of deterioration of plants using concepts of IoT, Image Processing and ML with Supervised Learning Algorithms such as Decision Trees to identify different conditions of plant in form of clusters.
Project was shortlisted and presented at the 2nd Agriculture and Climate Change Conference (2017) hosted by Elsevier in Spain

PUBLICATIONS

Ayush Kapoor, **Suchetha I Bhat,** Sushila Shidnal, Akshay Mehra. *Implementation of IoT (Internet of Things) and Image Processing in Smart Agriculture,* IEEE Xplore, 2016

Ayush Kapoor, **Suchetha I. Bhat**, Mohamadi Ghousiya Kousar, Suguna Mk. *Smart Agriculture using IoT (Internet of Things),* International Journal of Applied Engineering Research (IJAER), Volume 10, Number 86 (2015), Special Issues

LEADERSHIP AND AWARDS

Spotlight Award for exceptional client service by EY	2018
Head of organizing committee for the inter-collegiate techno-cultural summit	2017
Consistent Distinction Holder for academic excellence in B.E	2017
Volunteer at NGO – Make a Difference to mentor and teach underprivileged kids	2015
Rashtrapathi Puraskar (highest award in Bharat Scouts and Guides) given by President of India	2013