SUBHASHINI CHODAVARAPU (E.I.T)

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SUMMARY

- Five years of multinational experience in data analysis, quality assurance and project engineer management.
- Adept skills in data analytics, visualization and data exploration.
- Ability to uncover hidden and meaningful stories from data, helpful to improve business intelligence and processes.
- Proven expertise in providing engineering and technical support, preparing project reports and technical documents, project presentations, seminars and business development initiatives.

Skills and tools

- Programming Languages: Python, Java, VBA
- Analytics: Pandas Framework, Matplotlib, API
- Database: MySQL
- Industry Specific Tools: EPANET, AutoCAD, ArcGIS Desktop 10.2, Esri Business Analyst
- Microsoft Office (Proficient) - Excel, PowerPoint, Project, Word and Access

EDUCATION

University of Texas, Austin   **2017 - 2018**
Data Analytics and Visualization Program

National University of Singapore, Singapore   **2011 - 2012**
Master of Science in Environmental Management

Visvesvaraya Technological University, India   **2004 - 2008**
Bachelor of Engineering in Environmental Engineering

Professional certifications

- Certified Pega Business Architect 7.1
- Engineer-in-Training – Texas Board of Professional Engineers - #53768
- 132-hour Occupational Safety and Health Professional, OSHAcademy #184538

PROJECTS

Project Name: *Association between socio economic factors and socialization.*

Description: *This project aimed at analysing the socio economic factors (income, education, ethnicity and median age) and data from Meetup API to uncover correlation that existed between them, using statistical tests. Based on the tests, it was evident that there was some correlation between the two. Based on the insights found, eventually a web application is to be built that recommend ways in which individuals could socialize based on their current certain socio economic status.*

Tools Used: *Census Data, Meetup API, openweather API*

https://github.com/subhasushi/Project_Meetup

EXPERIENCE

Maps Quality Analyst

July 2016 – Present

Welocalize (Onsite at Apple Inc)

- Improve the quality and usability of maps application by analyzing and rating large sets of data.
- Investigate and provide feedback on issues identified during rating process

- Research and validate data from external resources.
- Evaluate the integrity and accuracy of maps transit data for Global markets.
- Evaluate large sets of data relevant to Indian market by providing domestic knowledge.

Professional Scoring Supervisor/ Director
April 2016 – July 2016
Pearson Inc, Austin, Texas
- Supervised distributed scorers on a daily basis.
- Provided content support and reviewed the test scores scored by distributed as well as regional scorers.
- Scored high school and middle school students' assessment exams and carefully assigned scores.

Project Design Engineer
March 2012 – July 2013
Ramky International (Singapore) Pte Ltd, Singapore
- Served as a focal point of contact, negotiated with vendors, and procured equipment and trucks during waste collection project implementation.
- Prepared project proposals, cost estimates, project reports, and other supporting documents relevant to the projects.
- Was involved in business development activities (company presentation, client meetings) and bidding process for the design and construction of PWCS which helped in successful win of two residential projects ($1M+)
- Successfully developed Geographic Information System (GIS) based routing plans for everyday waste collection for 1 of the 6 sectors in Singapore.
- Designed mobile pneumatic waste conveyance systems (PWCS) for two residential projects with over 1000 units and a stationary PWCS for a food factory in Singapore.

Clean Development Mechanism (CDM) Analyst
April 2010 – December 2010
TUV India Private Limited, Bengaluru, India
- Involved in validation and verification of CDM and Voluntary Carbon Standard (VCS) Scope 1 (Energy industries) projects.
- Conducted detailed research on the project design documents (PDD), analyzed data and financials provided by clients and developed reports to be submitted to the United Nations.
- Ensured the effective preparation and delivery of all project events and meetings.
- Prepared bid proposals and successfully secured CDM validation and verification projects ($100k).
- Worked with regional managers (RMs) and Area Coordinators (ACs) to track document and document projects
- Developed and maintained effective working relationships with regional and central staff.

Water and Wastewater Engineer
August 2008 – March 2010
Jalakam Solutions Private Limited, Bengaluru, India
- Conducted technical analysis of water distribution system for minimizing water losses and optimizing water usage at Indian Administration System (IAS) officers Association.
- Involved in design and construction of water and sewage treatment plants for small scale industries.
- Prepared environmental permit applications (consents under Air and Water Act) for small scale industries.
- In-charge of overall office and project administration.

DISTINCTIONS/ LEADERSHIP
- Learning center volunteer at Foundation Communities, Austin, TX, helping students with their homework and conducting after school enrichment activities.
- Publication - "*Utilization of landfill gas as a renewable source of energy in India*". Sustainability matters: Asia's Green Challenges. 2013
- Participated in Corporate Social Responsibility (CSR) Summit 2011 organized by Singapore Compact

- Volunteered to organize several conferences and seminars in the department at the National University of Singapore.
- Ranked 8th in BE (Environmental Engineering) Class of 2008, Visvesvaraya Technological University, India
- Organizing member of "No Plastic Campaign" held in the University campus as a part of creating environmental awareness.