

RESEARCH ASSISTANT DATA SCIENTIST

Experience

Research Assistant Data Scientist

September 2017 to Current Artificial Intelligence Lab San Diego State University i¼ City , STATE

- Established a streamlined work flow and enforced process and code quality improvements.
- Analysed and visualized data relating to Border security - Deception Detection project using: Excel, RShiny, Tableau, CPS fusion Pro software (for polygraphs), Python and R.
- Applied various data analytics and statistical modelling techniques like Clustering, Principal Component Analysis and Classification to identify patterns and relations to achieve optimization.
- Developed a standalone website for the AI lab using Squarespace and was instrumental in incorporating the Sona systems (cloud-based subject pool software) to implement and promote research activities at SDSU.

Graduate Assistant-Data analyst

December 2017 to May 2018 San Diego State University i¼ City , STATE

- Assisted with the research relating to USA business schools-core curriculum by collecting and extracting data, model building.
- Analysed data using Excel (PIVOT tables for sorting) and used R for multiple regression to come up with predictive analytics reports with considerable assumptions.
- Created visually impactful dashboards in Excel and Tableau for data reporting.
- Academic Projects-Graduate Student.

Software Developer and Data Analyst

October 2014 to May 2017 Lister Technologies i¼ City

- Project-1: Rosetta Stone (Web Application) Solved tasks related to front end (user interface) as well as Java and managed pages by making using of Liferay content management system concepts.
- Designed pages and created content from scratch using HTML and CSS.
- Mentored new team members from the USA through webinars about optimal usage and core concepts of Liferay.
- Involved in Proof of Concept (PoC), prepared Unit Test Plan when required and engaged in test and support activities during sprint release.
- Developed marketing materials for existing and new product launches and was crucial in gathering and analysing market data and outline strategic recommendations.
- Collaborated with cross functional teams to ensure smooth working of Adobe Dynamic Tag Manager and Eloqua (Oracle- marketing automation platform).
- Project-2: My AimHigh (Hybrid Mobile Application) Assisted in managing the entire software life cycle, from planning through development, testing and launch phase.
- Researched extensively and developed a strategy to include aspects of revenue, market opportunity and customer fit.
- Designed responsive pages using Bootstrap and solved numerous JavaScript functionality bugs to improve code efficiency.
- Analysed product and client data to suggest improvements.
- Project-3: Automation of tasks for Modmed Services Designed and developed application using Node.js and MySQL to automate download process for a US-based insurance firm, which saved a total of 210 man-hours per week.
- Project-4: BigCommerce (R&D) and Data Mining Did extensive market research about BigCommerce and optimal ways to integrate plugins as per the customer requirements and documented the different plugin integration.
- Created interactive dashboards to improve usability.
- Edited core themes of BigCommerce to enhance customer satisfaction using stencil editor and Node.js.
- Project-5: Hewlett Packard Enterprise - re-skinning and Data Analysis Designed website with fully responsive pages using advanced technologies like UI-kit (Version 3.0), LESS scripts, HTML5 and CSS3.
- Researched extensively on the product data to come up with the order in which the goods are to be placed.
- Collaborated with Product Specific analytics team and helped them to understand the hidden patterns using Excel and R.

Accomplishments

- Certifications: SAP, R, Tableau.

Education

Master of Science : Information systems , May 2019 Fowler College of Business, San Diego State University i¼ City , State Information systems
GPA: 3.51

Statistical Analysis, Marketing, Business Analytics, Decision Support Systems-Data Mining, Visualization and Analysis, Big Data, Project Management, Enterprise Data Management

Bachelor of Technology : Electronics and Communication Engineering , May 2014 Jawaharlal Nehru Technological University India Electronics and Communication Engineering GPA: 3.5

Summary

Analytical, process-oriented data aficionado and problem solver with in-depth knowledge of web development, product management, databases, big data capture, curation, manipulation and visualization.

Interests

Lister Technologies, Chennai, India Saving Environment Role -Environment Leader (lead a team of 200 people) Formed and led 'driving change challenge team' (a group of 200 people) and worked towards transforming office into a 100% recycling office, by closely working with Paperman

(one of the state's efficient recycling agency-www.paperman.in/) during the year 2015-16. This project was instrumental in making Lister Technologies an eco-friendly office till date. Promoting Girl Child Education Role-Village Representative (lead a team of 5 people) Participated in "MYGAON" village challenge (organised as part of Lister foundation) and won the challenge. Received 1000\$ from the Lister foundation during July 2016. Used this fund towards providing quality education to girl children in a village near the Chennai city (Thaiyur Village, Kancheepuram District, Tamil Nadu) by closely working with an NGO named GramaValarchi. Was instrumental in promoting Thaiyur village to other parts of India through(mygaon.org) and involved in fund-raising activities.

Highlights

- R, JavaScript (including D3.js), MySQL, Python, Java HTML5/CSS3, Bootstrap; Frameworks: jQuery, Node.js
- Project management methodologies: Waterfall, Agile/Scrum; Project management applications: Atlassian JIRA Service Desk
- Ecommerce Platforms: BigCommerce, Shopify
- Business Intelligence/Data Analysis and visualization tools: MicroStrategy, Tableau, RShiny, SAS Visual Analytics, MS Excel (Including formulas, pivot tables and macros), R Studio, QlikView, MS Office, Visio
- Analytical Models/Techniques: Data Mining, Sequence Mining, Bayesian Models, Sentiment Analysis, Principal Component Analysis, Multivariate Linear Regression, Clustering, Time series modelling, graph theory.

Skills

Academic, Adobe, Agile, AI, automate, Automation, Big Data, Business Intelligence, Clustering, Concept, content, content management, CSS, CSS3, client, customer satisfaction, Data Analysis, Data Management, Data Mining, Data Analysis and visualization, Decision Support, Ecommerce, editor, functional, Hewlett Packard, HTML, HTML5, insurance, Java, JavaScript, jQuery, macros, managing, market research, Market Research and Analysis, marketing, market, marketing materials, MS Excel, Excel, MS Office, MicroStrategy, MySQL, Enterprise, optimization, Oracle, PIVOT tables, Project Management, Python, quality, reporting, research, San, SAS, Scrum, scripts, sorting, Statistical Analysis, strategy, strategic, supply chain, Tableau, user interface, Visio, website

Additional Information

- **AWARDS AND ACHIEVEMENTS** Recipient of scholarship for being nominated as Intercultural Ambassador at SDSU to represent India for the year 2018. Presented a technical paper at the National level conference on 'Global Climatic Changes and Its Impact', received a cash prize for excellence from Hon. Chief Minister of NEW DELHI, Smt. Sheila Dixit for excellence in fact collection, prediction and presentation during 2008. Stood first among 200 orators for presenting a technical paper on RED TACTON - Communication via human flesh at JNTU University, Anantapur and Osmania University, Hyderabad, during Undergrad. Received Gold medal and letter of appreciation from the college management for topping the Undergrad class of 2010-14 with 85.25% marks. **COMMUNITY SERVICE** Lister Technologies, Chennai, India Saving Environment Role -Environment Leader (lead a team of 200 people) Formed and led 'driving change challenge team' (a group of 200 people) and worked towards transforming office into a 100% recycling office, by closely working with Paperman (one of the state's efficient recycling agency-www.paperman.in/) during the year 2015-16. This project was instrumental in making Lister Technologies an eco-friendly office till date. Promoting Girl Child Education Role-Village Representative (lead a team of 5 people) Participated in "MYGAON" village challenge (organised as part of Lister foundation) and won the challenge. Received 1000\$ from the Lister foundation during July 2016. Used this fund towards providing quality education to girl children in a village near the Chennai city (Thaiyur Village, Kancheepuram District, Tamil Nadu) by closely working with an NGO named GramaValarchi. Was instrumental in promoting Thaiyur village to other parts of India through(mygaon.org) and involved in fund-raising activities.