**Ashish Bajracharya**

**PROFESSIONAL SUMMARY:**

* 7 years of experience in data analytics
* Hands on experience in statistical techniques for Data Modelling, Data Architecture and Data Analysis
* Sound knowledge of Object Oriented Programming concepts
* Skilled in Python modules like Pandas, NumPy, Matplotlib, Pickle, Scikit - learn, PySide, SciPy, PyTables and Beautiful Soup for generating complex graphical data
* Worked with various Python Integrated Development Environments like JupyterLab, PyCharm, PyScripter, Spyder, Visual Studio, PyDev, PyStudio and Net Beans
* Experience in writing Python scripts in automating AWS for data upload and download
* Worked on AJAX framework to transform datasets and data tables into HTTP serializable JSON strings
* Hands on experience in writing stored procedures, SQL queries, creating indexed views functions and triggers which help in data manipulation
* Experience in Python web application frameworks like Django, Flask for developing web applications implementing Model View Control architecture
* Experience in development of web application using Python, Django, HTLM5, CSS3, Javascript, jQuery, JSON and AJAX.
* Good Experience working with WAMP (Windows, Apache, MYSQL, and Python)
* Certified Scrum Master with excellent understanding of Software Development Life cycle (SDLC) and its frameworks like Agile and Waterfall
* Knowledgeable in various stages of project including Business Requirements, Technical Architecture, Design Specification, Development and Deployment.
* Extensively use of UML for designing to develop various use cases, class diagrams and sequence diagrams.
* Hands on knowledge of Jenkins as a Continuous Integration server to configure with Ant/Maven
* Experience in analyzing and handling large datasets using Oracle Relational Database 10g (10.2.0.3, 10.2.0.4, 10.2.0.5)
* Knowledgeable in using NoSQL databases like Apache, Cassandra (1.2, 2.0 and 2.1), Mongo DB (2.6, 2.4), and Orient DB.
* Experience in using various version control systems like CVS, SVN and Git
* Experienced in documenting technical reports and project related documents for future references
* Experience in using UNIX shell scripts for automating batch programs
* Experience in data analytics using R and Python
* Experience in data visualization through R, Python and Tableau

**EDUCATION:**

**Harrisburg University**, Harrisburg, PA (2018-2019)

Master of Science in Data Analytics

**Northeastern University**, Boston, MA (2014-2016)

MBA in Supply Chain Management

Northeastern University MBA Achievement Award

**McKendree University**, Lebanon, IL (2006-2010)

Bachelor of Business Administration in Accounting and Economics/Finance

McKendree University School of Business Outstanding Economics and Finance Student

**PROFESSIONAL EXPERIENCE:**

**Fidelity Investments-** **Westlake, TX**

**Feb 2017 – Present**

**Role: Data Scientist, Category Management**

**Responsibilities:**

* Work extensively with SAP and Oracles databases to compile and analyze data in Python
* Execute MYSQL database queries from Python using Python-MySQL connector and MySQLdb package
* Use SQL to manipulate data, query expressions and join statements
* Create intuitive graphs and dashboards in Python, using Matplotlib library
* Conduct discovery analysis and data mapping analysis
* Support data conversion process by analyzing data patterns to correctly identify data
* Perform diagnostic and predictive analytics to increase efficiency and reduce risk to Fidelity through contingent workforce management
* Perform cluster analysis for supplier base consolidation
* Use Django APIs for accessing databases
* Involve in Data Extraction, Transformation and Loading (ETL process) from source to target systems
* Communicate extensively with business partners for requirements gathering and developing detailed Product Requirement Documents
* Lead and negotiate IT professional services and IT software engagements
* Support enterprise wide implementation of SAP Fieldglass
* Develop predictive models to design sourcing strategies for the IT groups to drive cost savings and ensure Fidelity is making informed, best value purchasing decisions
* Collect business intelligence data regarding IT category from industry reports, public reports and outside research firms to identify and analyze industry trends and look for opportunities
* Use Atlassian JIRA and Agile methodology to develop and design framework and templates

**GCP Applied Technologies- Cambridge, Massachusetts (Former: W.R Grace)**

**Jun 2015 – Jun 2016**

**Role: Data Analyst, Supply Chain**

**Responsibilities:**

* Used SAP database to compile and Python to analyze data on raw material spend and demand
* Wrote MYSQL database queries from Python using Python-MySQL connector and MySQLdb package
* Performed prescriptive analytics to enhance strategic sourcing, saving $450,000 in corn syrup procurement and $150,000 in Calcium Nitrate procurement
* Used SAP to track raw material prices and process third party orders
* Performed diagnostic analytics in R to analyze correlation between oil and raw materials and predictive analytics to develop forecasting models
* Compiled data from SAP Business Warehouse to develop monthly financial reports and analysis to keep track of forecasted budget
* Performed business process analysis and developed financial models in R, enabling management in making quicker financial projections to stakeholders
* As-Is analysis, To-Be analysis and GAP analysis to increase efficiency and cost savings in commodity chemical supply chain

**U.S. Agency for International Development, Nepal**

**Aug 2011- Jun 2014**

**Role: Data Analyst**

**Responsibilities:**

* Generated data models and data visualization using packages such as Dplyr, Ggplot2, Sqldf, and Flexdashboard in R to transform financial data into useful information
* Performed data analysis by gathering, analyzing and deploying spatial data from its pristine form to derive financial projections
* Used Google Fusion Tables and Tableau to publish visualizations
* Developed category segmentation using R which provides customizable view of market share and led to decreased labor cost by 50%
* Actively pursued data quality compliance, assessed risk factors and generated models and scenarios for forecasting operational risk
* Analyzed Learning Management System (LMS) for client and implemented improvements for process variation thereby reducing lead time by 30%
* Developed a dashboard using Tableau to provide the management with an overall understanding of resource optimization
* Developed various statistical models to help in better decision-making on sector growth and company forecasts
* Thoroughly analyzed Financial accounts and statements – Income Statement, Cash Flows

and Balance Sheets

* Performed secondary research on companies and interpreted their financial reports and other supporting documents

**Traci Allen Inc., Washington, D.C.**

**Aug 2010 – Apr 2011**

**Role: Business Intelligence Analyst**

**Responsibilities:**

* Created data visualization and dashboards using Tableau
* Performed data analytics and data visualization using packages such as Dplyr, Ggplot2, Sqldf, and Flexdashboard in R to help senior management make intelligent business decisions
* Performed cluster analysis in R to generate supplier profile
* Used Dplyer and TidyR to explore spend trends and patterns
* Used Python libraries like NumPy, Pandas, and SQLAlchemy to develop forecasting models to predict company revenue and expenses
* Performed hypothesis test, Chi-Square test, ANOVA test, Linear Regression and Logistic Regression to analyze revenue, expense and customer groups
* Developed financial reports and analyzed financial accounts and statements