Shalini Gangwar

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PROFESSIONAL SUMMARY

- Knowledgeable and detail-oriented **data scientist** with **5 years of total experience** with **4 years of relevant experience** with demonstrated ability of providing data-driven, action-oriented solutions to challenging business problems.
- Strong background in computer science, and knowledge of **machine learning and analytics**.
- **Analytical mindset** with experience of handling terabyte size of structured data.
- Familiar with various stages of data science project, from **data collection** to **evaluation** and **deployment.**

WORK EXPERIENCE

Tookitaki Technologies Pvt. Ltd., *Bengaluru, IN*   **Dec 2017 – Present**
Senior Data Scientist (Financial Sector - RegTech)

➔ *Client Delivery*
- Working on deploying **ML-based** reconciliation solutions across **FX/Fixed Income/Equities Desk**, hence **replacing manual process** and **saving cost** of 1.1M USD. The project is a **digital initiative** of the mid-size Japanese bank.
- Delivered **reconciliation(FOBO & GL)** solutions at PoC (Proof-of-concept) stage for various banks with **>96% accuracy** and paved way for production.
- Handled client interactions from **requirements gathering** to **solution delivery** and also collaborated between the teams and then turn interface with the business as one entity.
- Demonstrated the project/process level aspects to the team members and internal members of the organization.
- Mentored junior data scientists/analysts with the on-boarding in the project.
- Led training seminars for the client on the usage of the product.

➔ *Product Development*
- Prototyped **auto-feature engineering** module to incorporate in the product thus reducing the onboarding time of a new reconciliation module by 16%.
- Contributed as part of a product team in defining, prototyping and implementing data science models/algorithms as part of the product.

Bobble Keyboard, *New Delhi, IN*   **Dec 2016 - Nov 2017**
Data Scientist (Growth & Insights)

➔ *Growth and Strategy:*
- Formulated **key performance indicators** (KPI's), identify trends, and monitor company initiatives.
- Collaborated with the **content team** in tracking the content usage among the users.
- Identified new opportunities in accentuating **user experience** and understanding user behavior for app release that supported 2Mn+ DAU.
- Implemented a **Growth Accounting Framework** to study different user groups (New, Retained and Resurrected), helped identify the most fruitful channels for acquisition.

➔ *Analytics Framework:*
- Created smart, compelling **dashboards** to compute key performance metrics.
- Accessed and analyzed Bobble data to generate insights and make strategic decisions. Familiar with various analysis (cohorts, A/B tests, feature funnels).
- Redesigned the existing dashboard framework, hence reducing the total computation time of internal dashboard by 20%.
- Sole ownership of the end-to-end dashboard development. Picked up the front-end development skills on the way.

Shipsy-Llama Logisol Pvt. Ltd., *Gurgaon, I99N*   **Apr 2016 - Dec 2016**
Data Scientist (Supply Chain Management)

➔ *Product Development*
- Built a Geo-parser that will convert unstructured geographical addresses in text into corresponding geo-coordinates with **>80% accuracy** across two cities of India.
- Collection and Storage of the **meta-data of addresses** (city-wise pin code mapping, locality tree structure) in No-SQL data stores.
- Developed rule based **auto-correction** module for cleaning the geographical text addresses.
- Mentored interns efficiently.

Plabro Networks Pvt. Ltd., *Gurgaon, IN*   **Apr 2015 - Jan 2016**
Member of Technical Staff (Backend Engineer)

➔ *Product Development*
- Developed an analytical dashboard to provide metrics and analysis on users and app usability.
- Maintained logs parsing scripts to create and populate tables in SQL/No-SQL data stores for daily storage of app usage.
- Coded, debugged and tested various backend operations such as API responses, invite feature and snippet processing
- Implemented "caching" mechanism aiming to reduce the server's response time efficiently.

NaverLabs (Formerly Xerox Research Centre Europe) *Grenoble, FR*   **Feb 2014 - Sep 2014**
Research Intern

- Participated and **won ImageCLEF'14** challenge to build an image classification system when a weak image annotation in the target domain is compensated by massively annotated images in source domains..
- Contributed to the team's solution by developing **SVM** classifiers with best parameters.

CERTIFICATIONS & EDUCATION

Coursera   **Jan 2020 – Feb 2020**
Deep Learning Specialization

Universitat Politecnica Du Catalunya, *Barcelona, Spain*   **Sep 2013 - Aug 2014**
Master of Science in Data Mining and Knowledge Management
Topic of Master thesis is "Domain Adaptation"
(Yr. 2); GPA: 3.50

Ecole Polytechnique de l'Universite de Nantes, *Nantes, France*   **Sep 2012 - Aug 2013**
Master of Science in Data Mining and Knowledge Management
(Yr. 1); GPA: 3.50

B.K. Birla Institute of Engineering and Technology, *Pilani, India*   **Sep 2008 – Jul 2012**
Bachelor of Engineering in Computer Science
GPA: 4.00

TECHNICAL SKILLS

- **Proficient** *in Microsoft Office (Word, PowerPoint, Excel)*
- **Machine Learning Algorithms:** *Decision Trees, Random Forests, Logistic Regression, Support Vector Machines, Regression Algorithms, Ensemble methods, Deep Learning(Beginner)*
- **Data Visualization:** *matplotlib, seaborn*
- **Programming Languages:** *Python 2.x/3.x, Scala, SQL*
- **Libraries:** *scikit-learn, numpy, pandas, scipy*
- **Database***: MYSQL, Mongodb, Redis*
- **Tools & Frameworks:** *Spark 1.5/1.6/2.X, PyCharm, IntelliJ, Git, Vim, Anaconda*
- **Operating System:** *Linux/Unix, Windows, MAC OS x*

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