

# Aman Bhattarai

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## Junior Data Analyst

### PROFESSIONAL SUMMARY

- Results-driven IT Professional backed up by solid educational background in Artificial Intelligence and Data Science.
- Adept at interpreting complex datasets to extract valuable insights and drive informed business decisions.
- Skilled in developing efficient and scalable backend services and APIs, optimizing data storage solutions, and creating user-friendly mobile applications for both Android and iOS platforms.
- Committed to delivering high-quality solutions that align with organizational goals and user expectations.

### TECH STACK & SKILLS

<b>Languages:</b>	SQL, Python(Pandas, Numpy, Matplotlib, Scikit learn), R, Java, C, Javascript
<b>Operating Systems:</b>	MacOS, Linux, Windows
<b>Software, Application &amp; Tools:</b>	Tableau, Jupyter Notebook, Visual Studio Code, Google Collab, Excel, SQLite, React, NextJS, Github, Figma
<b>Databases:</b>	MySQL, MongoDB, PostgreSQL
<b>Cloud Computing:</b>	Microsoft Azure
<b>Project Management Fundamentals:</b>	Agile, Waterfall, Scrum, Trello
<b>Skills:</b>	Data Wrangling and Pre-processing, Data Cleaning, Data Visualization, Critical Thinking, Linear regression, Data Prediction, Storytelling, Communication

### PROJECTS

#### Data Analyst Job Trends

August 2024 – August 2024

- Scraped job trend data in Canada from both Indeed and Glassdoor websites while observing the appropriate usage of collected data.
- Improved a disorganized raw dataset by addressing irregularities and structural issues. Analyzed trends in data analyst positions, and used visualization and storytelling to share key insights.
- Posted it on Kaggle and the GitHub repository so the data science members of the community could benefit from the project.

#### Spotify Music Recommendation System

May 2022 - August 2022

- Led a team of four in developing and launching a deep learning model that optimized Spotify's music recommendations, utilizing techniques such as collaborative filtering and neural networks.
- This implementation reduced average song selection time by 2 minutes compared to previous methods through more accurate and relevant recommendations.

## EDUCATION & CERTIFICATIONS

**Post Graduate Program:** Jan 2021 - Aug 2022  
**Artificial Intelligence and Data Science**  
 Loyalist College | North York, ON

**Junior Data Analyst Program:** Aug 2024  
**Microsoft Azure Fundamentals Professional Certificate**  
 NPower Canada | ON

**Junior Data Analyst Program:** Expected Sept 2024  
**IBM Data Analyst Professional Certificate**  
 NPower Canada | ON

**Bachelor's Program:** Aug 2014 - June 2018  
**Computer Science Engineering**  
 New Horizon College | Bangalore, India

## PROFESSIONAL EXPERIENCE

**Application Developer** June 2019 – Aug 2019  
 SoftTechPark | Kathmandu, Nepal

- Created and deployed easy to navigate Mobile applications for both Android and iPhone employing technologies such as Figma and Xcode. Launched added functions that increase users' interest 20%, according to the reactions and activity levels observed.
- Closely worked with designers and product managers to establish scope and vision for the app features and functions. Tackled users and market requirements for consideration with the help of project management solutions like Trello.
- Engaged in vigorous testing employing Android Emulator and eliminating technical problem as well as performance limitations. Optimized user interaction, which was supported by the users' feedback and the application's performances.
- Maintained the adherence to the app store rules and regulations and keep updating with the changes regarding the same through App Store Connect and Google Play Console. Effectively coordinated submission and approval procedures eliminating challenges that could lead to delay in the approval of documents.
- App fine-tuning to address the problem highlighted by users and performance issues identified with the help of Firebase Analytics. Made the necessary changes aimed at increasing usability and thus had positive effects on the performance of the app.

**Backend Developer****April 2018 - June 2018**

Marmento | Bangalore, India

- Helped to design and implement backend services and APIs with Python, Django and RESTful APIs that boosted system effectiveness and sustainability. Helped address issues and enhance the overall utility of the solution.
- Worked closely with frontend developers and applied features with technologies such as React and NextJS. Gave a positive users' experience, making it easy to accomplish stated goals without noticing complex work behind the scene.
- Assisted in coming up with and the deployment of data warehousing such as MySQL. Ability to manage and store data more effectively and accessibility of information as evidence by its effectiveness.
- Implemented the concepts of 'troubleshooting' and 'debugging' with the help of the Postman tool and PyCharm IDE in such a way that I was able minimize the hiatus of the system. They also helped in enhancement of the total operational effectiveness.
- Written documentation for existing and new systems and processes in the Markdown format in order to make knowledge transfer and increase team output. Got lot of appreciation for the concise and useful learnings that were part of documentation.

**Computer Science Teacher****2018 - 2020**

Sunrise English Secondary School | Nepal

- Taught 30-40 grade 10 students in a classroom while applying principles of differentiation and integrating active learner participation. Encouraged participation in group related tasks and constant feedback.
- Developed curriculum and implemented teaching activities for Mathematics, Science, Information Technology and English using power point presentation and group work. Such lessons that were continuously improved with ideas and suggestions from colleagues.