TOPGYAL C. GURUNG

Elmhurst, New York

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EDUCATION

Hunter College, CUNY   **Manhattan, New York**

Bachelor of Arts, Computer Science   Graduated: Jan 2020

- **Relevant Courses:** Software Analysis & Design, Capstone in Machine learning, Computer Architecture, Database Management, Operating System, Supervised Research in Machine Translation, Web Development, Applied Statistics

PROFESSIONAL EXPERIENCE

Executive Assistant to CEO   **Krishnamurthy Tandon Foundation**   **Nov 2021 - Pres**
- Managed various third parties' contracts, bookings and liaised with other vendors for various projects.
- Managed principal's calendar, communications, travel, and office administrations in the areas of education, music, and business
- Organized tech support, managed Google Workspace and set up key meeting events

Cybersecurity Curriculum Consultant   **Research Foundation of CUNY (RF CUNY)**   **Aug 2020 – Feb 2021**
- Adapt various cybersecurity resources including Cloud Lab & network security labs.
- Attended 13 weeks Code Path cybersecurity course and researched their curriculum resources
- Collaborated with managers & team to make a course at Hunter College

Data Engineer Intern   **Real Factors (acquired by 7Park Data)**   **Jun 2019 – Aug 2019**
- Achieved milestone of solving complex triangle issue in frontend map by parsing WKT into strings in Big Query SQL
- Utilized joins, partitions to create tables & views in GCP Big Query Analytics Datawarehouse with private & proprietary datasets
- Used transformations, aggregations, and filtered data in the company's Data Catalog integrated with open-source Apache Superset business intelligence web application
- Created dashboards, time series charts, and reports in the company's Data Catalog

Student Software Engineer   **CUNY 2X Tech at Hunter College**   **May 2019 – Jun 2019**
- Selected for NYC initiated competitive bootcamp that covered full-stack software development methodology in Agile Scrum
- Built full stack web application with React, Redux, Node, Express, and Sequelize ORM for PostgreSQL
- Applied advanced JavaScript concepts, DOM manipulation, external REST API request

Student Researcher   **Statistical Machine Learning & Translation Group at Hunter College**   **Sep 2018 – May 2019**
- Learned concepts on NLP, deep learning models by analyzing recent research paper on the state-of-the-art models on arxiv.org
- Trained Deep Learning models on CUNY HPC using TensorFlow, PyTorch, Linux shell and Nvidia CUDA to test performance & improve the state of the art on machine translation

SOFTWARE PROJECTS

- **Personal Portfolio**:   topgyaltsering.github.io/cv (for additional information and projects)
- **Travel Diary:**   Google Geocoding API with a database and Visualize Data|github.com/topgyaltsering/TravelDiary
- **Data Analysis:**   House Sales Prediction| github.com/topgyaltsering/House-sales-prediction
- **Group Project:**   Course Registration Full Stack Web Application |github.com/db101097/CunyFirst2.0

TECHNOLOGIES and LANGUAGES

- **Software**:   **Proficient**: Python, Java, SQL, Git, Unix, React, W3.CSS, Bootstrap. **Familiar**: C++, JavaScript
- **Data Science**:   Power BI, Big Query SQL, Pandas, NumPy, scikit-learn, TensorFlow

ADDITIONAL INFORMATION

- **Computer Skills:**   Microsoft Office (Excel, Word, and PowerPoint), Canva, WordPress, Google Workspace
- **Languages:**   Bilingual in English and Nepali, Tibetan (advanced), Hindi (conversational)
- **Interests:**   Community Service, Blockchain, Mindfulness, Research, Emerging Technologies, Physics

TRAININGS & CERTIFICATIONS

- Python for Everybody Specialization, University of Michigan (July 2021)
- Code Path Cybersecurity Course for CUNY Baruch College (Fall 2020)