

Topgyal Gurung - Software Engineer

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EDUCATION

Hunter College, City University of New York

New York, NY

Bachelor of Arts in Computer Science

- Relevant Coursework: Practical Web Development, Database Management, Capstone in Machine Learning
- Completed two-semester supervised NLP/Machine Translation research under Professor Jia Xu

EXPERIENCE

Software Engineering Student

June 2024 – May 2025

Springboard

Remote

- Completed 700+ hours of hands-on coursework with 1:1 expert mentor oversight, building full-stack web applications and completing the following projects:
- Built *Himalayan Connect NYC* as capstone project — see Projects section for details
- Developed Space Travel Planner using React, React Router, Hooks, and React Testing Library; implemented dynamic forms and client-side routing to ensure a seamless UI experience and adherence to testing protocols
- Created an interactive Pokédex + Card Game with React, JSX, and CSS Modules; designed dynamic components and a custom scoring function while maintaining responsive UI standards and reliable functionality
- Built a secure Dog Adoption API using Node.js, Express, and MongoDB Atlas; implemented token-based authentication, filtering, pagination, and error handling in a modular MVC architecture and performed comprehensive testing with Mocha and Chai

Tech Operations Associate

Nov 2021 – Oct 2022

Soul Chants Music

New York, NY

- Managed technical updates and production deployments for the company website via Netlify, improving stability
- Improved project tracking and cross-team coordination by building a custom Excel system and managing timelines via Asana/Basecamp, accelerating video delivery cycles
- Developed internal tools for assets and metadata tracking using Google Drive and spreadsheets improving coordination

Data Engineer Intern

June 2019 – Dec 2019

Real Factors (acquired by 7Park Data)

Queens, NY

- Resolved geospatial rendering issues using BigQuery SQL and WKT parsing prior to company acquisition
- Built real estate dashboards by integrating internal data with Superset for faster analytics access
- Minimized query latency by optimizing BigQuery SQL with views, stored procedures, and user-defined functions

Machine Learning Research Assistant

May 2018 – Apr 2019

Hunter College

New York, NY

- Presented machine translation research (e.g., CODE-NN) with professor and research fellow to assess feasibility
- Reproduced CODE-NN in PyTorch/TensorFlow on cloud GPUs via SSH, leveraging CUDA for training
- Tuned hyperparameters, benchmarked datasets, and strengthened understanding of NLP pipelines and evaluation

TECHNICAL PROJECT

Himalayan Connect NYC | Full-Stack Resource Hub

Feb 2025 – Present

- Designed, built, and deployed a full-stack application using Next.js, React, TypeScript, and Prisma ORM—owning the full development lifecycle from ideation to deployment while optimizing performance and reliability
- Integrated user registration with secured JWT auth, search and filtering capabilities, map integration via Google Maps API, and image handling through Cloudinary to access community resources [\[Live App\]](#)

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL

Frontend: Next.js, ReactJS/Redux, Tailwind CSS, HTML/CSS, Material UI

Backend: Node.js/Express, PostgreSQL, MongoDB

Tools/Testing: Git, Docker, VS Code, GCP BigQuery, AWS, Figma, CI/CD, Jest, Mocha, React Testing Library

Certifications/Trainings: Python for Everybody (UMich), CodePath Cybersecurity Course, 6-weeks Full-Stack Bootcamp (NYC Tech Talent Pipeline)

Familiar: Docker, Terraform, Kubernetes, AWS (EC2, S3, RDS, Lambda), Fast API