Utsav Acharya
Data Science Fresher

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Education

2023 – present Kathmandu, Nepal	**Bachelors in Computer Engineering** *Pulchowk Engineering Campus*
2021 – 2023 Kathmandu, Nepal	**High School** *Capital College and Research Centre* GPA: 3.91 + 3.73

Skills

Python │ Statistics │ SQL │ Flask │ NumPy │ Pandas │ Matplotlib │ Seaborn │ Machine Learning │ Scikit Learn │ Deep Learning │ Keras │ Tensorflow │ OpenCV │ Spacy │ Git │ Jupyter Notebook

Professional Experience

11/2023 – present	**Backend and Data Scientist** *Omdena* ⬀ Participated as data analyst and backend developer in following projects:- 1) Combatting illegal deforestation in Romania ⬀ 2) Mapping Seagras Meadows ⬀ 3) Aswan- Intelligent Personal Assistant ⬀
09/2023 – 10/2023	**Data Science and Business Analytics Intern** *The Sparks Foundation* • Did **Exploratory Data Analysis on COVID** ⬀ • Did **Exploratory Data Analysis on IPL 2023** ⬀
07/2023 – 08/2023	**Data Science Intern** *Let's GrowMore* • Built a full stack **tomato disease classification** app for farmers. ⬀ • Built a **sentiment analysis music recommendation** app ⬀
11/2022 – present	**Core Member** *Data Research Council For Students* ⬀ • Mentored **200+ students** in **intermediate Python**, providing guidance and support to help them improve their skills. • Managed **GitHub** repositories, **social media** accounts, and **Discord** servers, ensuring that these platforms were up-to-date and effectively engaged with our community.

| 03/2022 – 08/2023 | **Co-Founder and Secretary** |
| | *Together We Learn (TWL)* ☐ |

- Built an organization of **500+ members** and led them
- Conducted **5+ webinars** on programming-related topics, sharing knowledge and insights with a broad audience.
- Wrote **10+ newsletters** focused on **data science** and **programming** in general, providing valuable information and updates to **200+ subscribers**.

Projects

CricPix-Classifier ☐

- Performed Data Acquisition with **Beautiful Soup** and **Selenium**.
- Used **OpenCV** and **Pywavelets** for preprocessing and feature engineering.
- Handled imbalanced data with **SMOTE**.
- Used **GridSeachCV** for finding the best model and hyperparameter.
- Deployed the model with **Flask.**

MoodMeter ☐

- Used **Spacy** for preprocessing and feature engineering.
- Used **Random Forest Classifier** for model training.
- Deployed the model with **Gradio**.
- Real-time emotion detection with **90% accuracy**.

LeafGuard ☐

- Used **Keras** and **Tensorflow** for preprocessing and feature engineering and **Neural Networks** for model training.
- Deployed the model with in **Raspberry P**.
- Real-time disease classification with **98% accuracy**.

Certificates

- Google Advanced Data Analytics ☐
- IBM Data Science Professional Ceritificate ☐
- IBM Data Analyst Professional Certificate ☐

- Standford Machine Learning Specialization ☐
- Deep Learning.AI Deep Learning Specialization ☐
- Deeplearning.AI Mathematics for Data Science ☐

- Tensorflow Developer Professional Certificate ☐
- Meta Frontend Professional Certificate ☐
- Meta Backend Professional Certificate ☐

Awards

| 2023 | **Tribhuwan University Merit-Based Scholarship** |
| | *Tribhuwan University* |

| 2022 | **National IT Olympiad Silver Medalist** |
| | *STEM, Nepal* |

| 2021 | **National Physics-Mathematics Olympiad Bronze Medalist** |
| | *SOMES Nepal* |