

# Utsav Acharya

## Data Science Fresher

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### Education

2023 – present Kathmandu, Nepal	<b>Bachelors in Computer Engineering</b> <i>Pulchowk Engineering Campus</i>
2021 – 2023 Kathmandu, Nepal	<b>High School</b> <i>Capital College and Research Centre</i> 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

09/2023 – 10/2023	<b>Data Science and Business Analytics Intern</b> <i>The Sparks Foundation</i> <ul style="list-style-type: none"><li>• Did <b>Exploratory Data Analysis on COVID</b> ✍</li><li>• Did <b>Exploratory Data Analysis on IPL 2023</b> ✍</li></ul>
07/2023 – 08/2023	<b>Data Science Intern</b> <i>Let's GrowMore</i> <ul style="list-style-type: none"><li>• Built a full stack <b>tomato disease classification</b> app for farmers. ✍</li><li>• Built a <b>sentiment analysis music recommendation</b> app ✍</li></ul>
03/2022 – 08/2023	<b>Co-Founder and Secretary</b> <i>Together We Learn (TWL)</i> ✍ <ul style="list-style-type: none"><li>• Built an organization of <b>500+ members</b> and led them</li><li>• Conducted <b>5+ webinars</b> on programming-related topics, sharing knowledge and insights with a broad audience.</li><li>• Wrote <b>10+ newsletters</b> focused on <b>data science</b> and <b>programming</b> in general, providing valuable information and updates to <b>200+ subscribers</b>.</li></ul>
11/2022 – 10/2023	<b>Core Member</b> <i>Data Research Council For Students</i> ✍ <ul style="list-style-type: none"><li>• Mentored <b>200+ students in intermediate Python</b>, providing guidance and support to help them improve their skills.</li><li>• Managed <b>GitHub</b> repositories, <b>social media</b> accounts, and <b>Discord</b> servers, ensuring that these platforms were up-to-date and effectively engaged with our community.</li></ul>

## Projects

### Cricketer Image Classification [↗](#)

- 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**.

### Sentiment Analysis [↗](#)

- 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**.

### Tomato Disease Classification [↗](#)

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

## Certificates

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|---|---|--|
| • Google Advanced Data Analytics <a href="#">↗</a>                | • IBM Data Science Professional Certificate <a href="#">↗</a>     | • IBM Data Analyst Professional Certificate <a href="#">↗</a>    |
| • Stanford Machine Learning Specialization <a href="#">↗</a>      | • Deep Learning.AI Deep Learning Specialization <a href="#">↗</a> | • DeepLearning.AI Mathematics for Data Science <a href="#">↗</a> |
| • Tensorflow Developer Professional Certificate <a href="#">↗</a> | • Meta Frontend Professional Certificate <a href="#">↗</a>        | • Meta Backend Professional Certificate <a href="#">↗</a>        |

## Awards

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|------|--|
| 2023 | <b>Tribhuwan University Merit-Based Scholarship</b><br><i>Tribhuwan University</i> |
| 2022 | <b>National IT Olympiad Silver Medalist</b><br><i>STEM, Nepal</i>                  |
| 2021 | <b>National Physics-Mathematics Olympiad Bronze Medalist</b><br><i>SOMES Nepal</i> |