Utkarsh Sharma

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Work Experiences

Sunder Deep World School   **April 2023 - ongoing**
Head of the Department & PGT - Computer Science   *Ghaziabad, Uttar Pradesh, India*

- Taught Python Programming Language and SQL to Class 11th and 12th.
- Taught Open Office Tools and Database to Class 9th and 10th.
- Managed School Website and ERP.
- Manager School Udise+ profile i.e handled students database.

Xiaomi India Insiders Program   **September 2022 - April 2024**
Discord Server Moderator   *Delhi, India*

- Worked as the Server Moderator of the Xiaomi India Mi-Fans and Support Community.

Education

Meerut Institute of Engineering Technology   **August 2019 – July 2023**
B.Tech Computer Science and Engineering   *Meerut, Uttar Pradesh, India*

St. Xavier's Sr. Sec. School   **April 2017 – March 2019**
Higher Secondary School   *Pilkhuwa, Uttar Pradesh, India*

St. Xavier's Sr. Sec. School   **April 2015 – March 2017**
High School   *Pilkhuwa, Uttar Pradesh, India*

Certifications — Internships

Geekster   **July 2024 – Ongoing**
Geekster Data Science and Generative AI Bootcamp   *Gurugram, Haryana, Inida*

- Providing hardware & software support for online & hybrid education.
- Streaming and editing lectures to facilitate the hybrid education system at TU Delft.
- Online moderator and streaming for the International Conference for CBM in Aerospace, and production of summer school contents hosted at the Faculty of Aerospace Engineering.
- Maintaining and updating online education and exam platform - Mobius, to ensure the delivery of content on time to the students.
- Reviewing applications and overseeing the admission process of candidates to MOOCs organized by the Faculty of Aerospace Engineering.

Projects

Measuring Saccadic Reaction Time with a Desensitized Healthy Retina | *MATLAB*   **March 2022 – Ongoing**

- ∗ Masters thesis project between TU Delft and Erasmus MC, aiming to develop a framework that can analyze the effects of a desensitized retina on the saccadic reaction time.
- ∗ Implementing an eye-tracking algorithm to be paired with eye trackers that detects saccadic eye movements in subjects.
- ∗ Developing a human in loop experiment to measure the saccadic reaction time and quantifying eye movement characteristics based on the luminance of light source.
- ∗ Designing a model that can generate glaucoma-like noisy eye movement characteristics by taking normal eye movement data from a subject as input.

Technical Skills

Languages: Python, CSS, HTML, Java
Developer Tools: Google Sheet, Power Bi, SQL, GIT Github, VS code.
Data Management :
Other Software: Adobe Premiere Pro, Canva, Photoshop, OBS, Streaming setup, audio setup