

Shaurya Gaur

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EDUCATION

- **Radboud University** Nijmegen, The Netherlands
Master of Science, Artificial Intelligence Sep. 2023 – Jun. 2025
 - **Focus:** Societal Impact of AI. Work completed as a Fulbright Scholar.
- **Oregon State University Honors College** Corvallis, OR
Honors Bachelor of Science, Summa Cum Laude (GPA: 4.00) Sep. 2019 – Jun. 2023
 - **Major:** Computer Science (focus in Data Science), **Minors:** Mathematics, Political Science
 - **Thesis:** Mood-Dynamic Playlist: Interpolating a Path of Emotions Using a KNN Algorithm

WORK EXPERIENCE

- **Pacific Northwest National Laboratory** Remote (COVID-19)
Data Engineering Intern Jun. 2022 - Aug. 2022
 - **Machine Learning (ML) Pipeline:** Created a pipeline using AWS, TensorFlow and the Deep Learning Runtime (DLR) to transmit ML models and data between cloud servers and Internet of Things (IoT) devices.
 - **Seminars:** Regularly attended research seminars on ML research for the public good (i.e. social media simulations, knowledge base improvement) from guest speakers to this US Department of Energy laboratory.
- **eBay** Remote (COVID-19)
Software Engineering Intern Jun. 2021 - Sep. 2021
 - **Audience Platform:** Used React.js and RESTful APIs to create a scalable, 3-stage process for batch editing up to 50 audiences in parallel, increasing efficiency up to 50x for platform users.
 - **Audience Script:** Designed a solution to extract IDs from Apache Spark jobs using Python, to gain analytics data from eBay's internal Big Data Portal.

RESEARCH EXPERIENCE

- **Soundbendor Lab, Oregon State University** Corvallis, OR
Machine Learning Research Assistant Nov. 2019 - Jun. 2023
 - **Mood Dynamic Playlist:** Created an algorithm using the K-Nearest-Neighbors (KNN) machine learning model and the Arousal-Valence space to create emotionally dynamic music playlists, utilizing a dataset of 18,000 songs.
 - **Publications:** First author in evoMUSART 2024 and 2023 Honors College Thesis, 2nd-author in IHIT-AI 2022.
 - **Poster Presentations:** "Productivity Playlist: Interpolating a Musical Path Between Emotions using a KNN Algorithm" at 2021 OSU Engineering Virtual Expo, 2021 National Conference of Undergraduate Research (NCUR), 2020 OSU Summer Undergraduate Research Symposium (SURS), 2020 NCUR (Canceled due to COVID-19)
 - **Live Project:** Mood Dynamic Playlist (<https://bit.ly/sb-mood-playlist>)
- **Human Computer Interaction Institute, Carnegie Mellon University** Remote (COVID-19)
Summer Research Intern Jun. 2020 - Aug. 2020
 - **ORES Explorer:** Developed a website w/ React.js and D3.js to help Wikipedia editors visualize the ORES API, a machine learning service that examines 160,000+ daily edits.
 - **User Testing:** Conducted and analyzed interviews on 10 potential users to evaluate tool effectiveness.
 - **Publication:** Third author for ORES Explorer paper in ACM Designing Interactive Systems Conference 2021.
 - **Live Projects:** ORES Explorer website (<https://cmu-wikipedia.github.io/ores-viz/>) and Mock Recent Changes tool website (<https://cmu-wikipedia.github.io/mock-recent-changes/>)

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, Python, HTML, CSS, Sass, JavaScript, SQL, Haskell, Rust, Matlab, R
- **Tools:** TensorFlow, Scikit-Learn, Pandas, Git, React.js, Node.js, Flask, MySQL, REST, JIRA, AWS

HONORS AND AWARDS

- **Fulbright Scholarship** Radboud University
Awarded to US students to complete Study or Research at a postgraduate level. Sep. 2023 - Jun. 2025