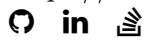


Kartikey Singh

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EDUCATION

• Indian Institute of Technology (BHU)

Bachelor of Engineering in Electronics: (9.17/10.0)

Varanasi, IND

July 2016 - July 2020

EXPERIENCE

• Melopond Online Radio

Software Development Intern

Varanasi, IND

Sep. 2019 - Jan. 2020

- Engineered backend and songs feature extraction methods for the AI-based online radio station startup.
- Used AWS S3, Flask, MySQL, Collaborative filtering.

• Samsung Research Institute Bangalore

Summer Intern

Bangalore, IND

May 2019 - July 2019

- **Device Services Team:** Developed a robust log files error classification and analysis system and received pre-placement offer from them.
- Used Python, MySQL, Pandas, Multiprocessing, Regex.

PUBLICATIONS

• Personalized Diversification in Recommendation Systems: A Cluster Based Approach

Naina Yadav, Kartikey Singh, Anil Kumar Singh

- Worked with Associate Professor Anil Kumar Singh to develop a novel method to increase diversity in recommendations.
- Currently submission under review in **Applied Soft Computing journal**.

PROJECTS

• Third Position in HCL Lucknow AI Hackathon |[LINK](#)

Nov. 2019

- Built a complete product under 24 hours working in a team of four to build a biased free source of news and used automatic topic assignment and ranking for it.
- Used Twitter APIs, Topic modelling(LDA), Flask, ReactJS.

• Replicating-SeER |[LINK](#)

- Replication of SeER: An Explainable Deep Learning MIDI-based Hybrid Song Recommender System in TensorFlow2.
- Achieved low variation with respect to original paper statistics.

• Vote for Change |[LINK](#)

- Created a polling website where users can poll on their topic of interest after signing up and shows statistics and graphs of the resulting poll to users.
- Part of the code.fun.do hackathon and used Django, jQuery for it.

• Orthographic Languages Similarity Measurements |[LINK](#)

- Extracted similar words between Orthographic languages along with their distance by using provided corpora with the help of Longest Common Substring (LCS), n-gram and DICE algorithms.
- Part of CSE-443 (Natural Language Processing) coursework, received grade A for it.

• Member of Technex-18 Technical Team

- Developed a scalable/modular web application for the tech fest of IIT(BHU) (used by more than 15k participants), solved various tech-related issues throughout the year.

PROGRAMMING SKILLS

• **Languages:** Python, C++, Javascript, SQL

• **Technologies:** Pandas, TensorFlow, Django, Git, AWS

ONLINE COURSES

- [Applied Data Science with Python specialization](#) • [Machine Learning](#) • [Algorithmic Toolbox](#)
- [Data Structures](#) • [Front-end Development](#)