HARSH KAG

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EDUCATION

Indian Institute of Information Technology,Allahabad Prayagraj, India
Master of Technology - Information Technolog *July 2022 - present*

University of Petroleum and Energy Studies Uttarakhand, India
Bachelor of Technology *July 2016 - July 2020*

Indore Academy Indore(MP), India
Higher Secondary-M.P Board *2016*

St. Mary's H.S School Barwaha(MP), India
Secondary-CBSE *2014*

COURSEWORK/SKILLS

- Data Structures & Algorithms
- Machine Learning
- Deep Learning
- Operating Systems
- Database Management System (DBMS)
- OOPS Concept

PROJECTS

- **Image Super Resolution using Generative Adversarial Network(GAN)**:
  In this project, we implemented an image super-resolution using a Generative Adversarial Network (GAN) architecture, specifically based on the SRGAN (Super-Resolution GAN) model. The project aimed to generate high-resolution images from low-resolution inputs, enhancing visual quality and details.(Jan - March '23)

- **Federated Learning on Heterogeneous Medical Data**:
  This project focused on implementing federated learning techniques to train machine learning models on heterogeneous medical data. Achieved improved model performance by leveraging the collective knowledge of the distributed medical data sources. (Ongoing)

EXPERIENCE

- **Teaching Assistant - IIIT Allahabad**: Assisting the Professor in conducting lab sessions, invigilating exams, taking doubt sessions for the subject. (Sept 2022 - Dec 2022)

TECHNICAL SKILLS

- **Languages**: C,C++,Python(Basics),LaTeX
- **Developer Tools**: VS code, Google Colab

CERTIFICATIONS

- Supervised Machine Learning - Regression and Classification(Dec '22) Credential ID: RCJE7URTFR2

- Unsupervised Learning, Recommenders, Reinforcement Learning (March '23) Credential ID: JTN9VD279BRS

ACHIEVEMENTS

- Gate 2022 - 187 Rank - 96 Percentile

- Patent - Got Declaration as to Inventorship of Design analysis of an aircraft for short runway - Application Number: 202011031750

- Internship under Indian Air Force