Aditi Prasad

6264759426 | aditiprasad@iisc.ac.in | linkedin.com/in/aditi-prasad-144a28136/

Personal Profile

I am currently pursuing my Master's degree at the esteemed Indian Institute of Science, specializing in Image, Video, and Computer Vision within the Signal Processing discipline. My academic focus has led to a keen interest in the fields of Machine Learning, Computer Vision, and Data Science. My dedication to continuously improving my knowledge and skills in these areas is a testament to my commitment to building a successful career. I am eager to leverage my education and passion for these fields to drive innovation and make significant contributions to a dynamic organization.

Education

Indian Institute of Science *Bangalore,Karnataka*

MTech in Signal Processing *Aug 2022 - Current*

- **Current CGPA:** 7.8/10
- **Specialization Module:** Image, Video and Computer Vision
- **Courses Completed:** Random Process, Linear and Non Linear Optimization, Matrix Theory, Digital Image Processing
- **Courses Ongoing:** Advanced Image Processing, Pattern Recognition and Neural Network, Detection and Estimation Theory, Signal Processing in Practice

Samrat Ashok Technological Institute *Vidisha, Madhya Pradesh*

BTech in Electronics and Communication *May 2018 - May 2022*

- **CGPA Obtained:** 8.14/10
- **Activities and Societies:** Student Coordinator at Club of Electronics

Degree	Institute	Board	Percentage	Year
12th Standard	Maharshi Vidya Mandir, Jabalpur, Madhya Pradesh	CBSE	79.4%	2018
10th Standard	Kendriya Vidyalaya, SECL Dhanpuri, Madhya Pradesh	CBSE	81.7%	2016

Projects

Traffic Sign Detection using YOLOv5

Indian Institute of Science

- Developed a road sign detection system using YOLOv5, a deep learning object detection algorithm, to accurately detect and recognize road signs in images

Taxi Demand Forecasting

Personal Project

- Designed a forecasting system for taxi demand, utilizing time series analysis and machine learning techniques to optimize taxi availability, resulting in improved efficiency and customer satisfaction

.

Diabetes Prediction

Personal Project

- Designed and implemented a predictive model using data analysis techniques to identify patients at risk of developing diabetes, allowing for early intervention and improved health outcomes

Smart Farming Using IoT

Samrat Ashok Technological Institute

- Implemented Smart Farming solution using IoT which predicts suitability of crops given specific environmental conditions with the help of sensors

Achievements

2022 **AIR 443**, Graduate Aptitude Test in Engineering [GATE] EC

2022 **Wipro GE Healthcare Fellowship**, Scholarship Awarded during MTech

2020 **Elite Certificate**, Scored 89% in Control System NPTEL Exam

Online Ceritfications

1. **Advanced Learning Algorithms**, Offered by DeepLearning.AI through Coursera
2. **Supervised Machine Learning**, Offered by DeepLearning.AI through Coursera
3. **Signal Processing Onramp**, Offered by Mathworks
4. **Exploratory Data Analysis with MATLAB**, Offered by Mathworks

Skills

Programming Python (NumPy, OpenCV, Pandas, Scikit-learn etc.), C/C++
Miscellaneous Image Processing, Statistical Learning, LaTeX(Overleaf), Microsoft Office

Languages

English Professional proficiency
Hindi Native proficiency