

SHWETA SHARMA

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EMPLOYMENT Project Assistant [May 2023 - March 2024]

Employer: IIT Delhi under the supervision of Prof.Sunil Jha.

Job Responsibility: Deep learning algorithm analysis with GPS augmentation

Design Engineer [Feb 2016 - July 2018]

Employer: RnD Department, Efkon India Pvt Ltd, Gurugram, Haryana.

Job Responsibility: C++, Python, OpenCV and Machine Learning Solution

EDUCATION Indian Institute of Information Technology, Allahabad, U.P. [2015]

M.Tech, 2015, IT (Wireless Communication & Computing), CGPA 8.5/10.0.

Govt. Engineering College, Bikaner, Rajasthan University, Jaipur, RAJ [2013]

B.Tech, Electronics & Communication Engineering, 72.08%.

PUBLICATIONS Saxena, A. K., Sharma, S., & Chaurasiya, V. K. (2015). Neural network based human age-group estimation in curvelet domain. *Procedia Computer Science*, 54, 781-789.

Saxena, A. K., Sharma, S., & Chaurasia, V. K. (2015, May). Human age-group estimation using curvelet features. In *Advances in Computing and Communication Engineering (ICACCE), 2015 Second International Conference on* (pp. 610-615). IEEE.

Veit, A., Wilber, M., Vaish, R., Belongie, S., Davis, J., Anand, V., ... & Devaraj, C. (2015). On optimizing human-machine task assignments. *arXiv preprint arXiv:1509.07543*.

RESEARCH PROJECTS Autonomous Navigation [2023]

Description: Deep learning algorithm analysis with improving and analysing GPS augmentation.

License Plate Recognition System [2016-2018]

Description: Development and deployment of traffic management solutions using computer vision and machine learning techniques.

Age group estimation using fingerprints [2014-2015]

Description: Extraction of features from images of fingerprints and their classification using machine learning techniques.

Pedestrian localization [2015]

Description: Team project for developing pedestrian detection algorithm.

TECHNICAL SKILLS Python, C++, R, MATLAB, SQL prgramming languages
Pytorch, Numpy, Cuda, OpenCV, ROS2, Mysql libraries
PowerBI, Android Studio softwares

AWARDS & ACHIEVEMENTS Gate qualified with rank 2025 [2013]

TFWS Scholarship from Rajasthan Technical University [2009]

Awarded Gargi Puruskar for Secondary Education. [2006]

OTHER ACTIVITIES Presented paper published in ICACCE 2015, Proceedia Computer Science, 2015
Participated and volunteered in WCSN and Science Conclave in 2014 at IIIT Alld.