

SHWETA SHARMA



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EMPLOYMENT	<p>Project Assistant [May 2023 - Feb 2024]</p> <p><i>Employer:</i> IIT Delhi under the supervision of Prof.Sunil Jha. <i>Job Responsibility:</i> Deep learning algorithm analysis with GPS augmentation</p> <p>Design Engineer [Feb 2016 - July 2018]</p> <p><i>Employer:</i> RnD Department, Efkon India Pvt Ltd, Gurugram, Haryana. <i>Job Responsibility:</i> C++, Python, OpenCV and Machine Learning Solution</p>
EDUCATION	<p>Indian Institute of Information Technology, Allahabad, U.P. [2015]</p> <p>M.Tech, 2015, IT (Wireless Communication & Computing), CGPA 8.5/10.0.</p> <p>Govt. Engineering College, Bikaner, Rajasthan University, Jaipur, RAJ [2013]</p> <p>B.Tech, Electronics & Communication Engineering, 72.08%.</p>
PUBLICATIONS	<p>Saxena, A. K., Sharma, S., & Chaurasiya, V. K. (2015). Neural network based human age-group estimation in curvelet domain. <i>Procedia Computer Science</i>, 54, 781-789.</p> <p>Saxena, A. K., Sharma, S., & Chaurasia, V. K. (2015, May). Human age-group estimation using curvelet features. In <i>Advances in Computing and Communication Engineering (ICACCE)</i>, 2015 Second International Conference on (pp. 610-615). IEEE.</p> <p>Veit, A., Wilber, M., Vaish, R., Belongie, S., Davis, J., Anand, V., ... & Devaraj, C. (2015). On optimizing human-machine task assignments. <i>arXiv preprint arXiv:1509.07543</i>.</p>
RESEARCH PROJECTS	<p>Autonomous Navigation [2023]</p> <p>Description: Deep learning algorithm analysis with improving and analysing GPS augmentation.</p> <p>License Plate Recognition System [2016-2018]</p> <p>Description: Development and deployment of traffic management solutions using computer vision and machine learning techniques.</p> <p>Age group estimation using fingerprints [2014-2015]</p> <p>Description: Extraction of features from images of fingerprints and their classification using machine learning techniques.</p> <p>Pedestrian localization [2015]</p> <p>Description: Team project for developing pedestrian detection algorithm.</p>
TECHNICAL SKILLS	<p>Python, C++, R, MATLAB, SQL prgramming languages Pytorch, Numpy, Cuda, OpenCV, ROS2, Mysql libraries PowerBI, Android Studio softwares</p>
AWARDS & ACHIEVEMENTS	<p>Gate qualified with rank 2025 [2013]</p> <p>TFWS Scholarship from Rajasthan Technical University [2009]</p> <p>Awarded Gargi Puruskar for Secondary Education. [2006]</p>
OTHER ACTIVITIES	<p>Presented paper published in ICACCE 2015, Proceedia Computer Science, 2015 Participated and volunteered in WCSN and Science Conclave in 2014 at IIIT Alld.</p>