ANJITH GEORGE

CONTACT INFORMATION

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PROFILE

Passionate to dive into the depths of engineering, to learn and apply new concepts in machine learning and pattern recognition.

FIELDS OF INTEREST

Computer Vision and Applications, Pattern Recognition and Machine Learning, Human Computer Interaction.

ACADEMIC PROFILE

Indian Institute of Technology (IIT) Kharagpur, India. PhD (Ongoing), Image based Gaze tracking and Activity Recognition, July 2012- Current

Indian Institute of Technology (IIT) Kharagpur, India. M. Tech, Instrumentation Engineering, June 2012
- CGPA: 9.17/10

N S S College of Engineering (University of Calicut), Kerala, India. B. Tech, Electrical and Electronics Engineering, June 2010
- Percentage: 80.26

St Mary's HSS Edoor, Kerala, India. 12th
- Percentage: 94.16

St Mary's HSS Edoor, Kerala, India. 10th
- Percentage: 89.0

SOFTWARES CONVERSANT WITH

Programming Languages: C, C++, Python.
Software Packages: Matlab, Simulink, OpenCV.
Microprocessor-controller programming: MikroC, AVR Studio, 8086-8051 Assembly language.
Operating Systems familiar with: Windows, Linux (Ubuntu).

PROJECT PROFILE

PhD, IIT Kharagpur

- Design and implementation of a low cost eye gaze tracking system for low resolution images
- Development of a novel framework for biometric identification based on eye movements.

M. Tech, IIT Kharagpur

- **Main Project**: Design and Implementation of Real-time Algorithms for Eye Tracking and PERCLOS Measurement for on board Estimation of Alertness of Drivers

B. Tech, University of Calicut

- PC controlled wireless security robot with video capture using PIC16F73.

AWARDS & HONOURS

- **Winner**, BioEye 2015, International Eye Movement based biometrics competition, Organized by IEEE BTAS.
- **Finalist**: Intel India Embedded Challenge 2012.
- Secured 99.2 and 98.1 percentile in electrical engineering GATE 2010 and GATE 2012.
- MHRD Fellowship during PhD (2012-Current)
- MHRD Fellowship during M Tech (2010-2012)

PUBLICATIONS

- **A. George**, A. Routray, "A score level fusion method for eye movement biometrics", *Pattern Recognition Letters*, Elsevier, 2015.
- **A. George**, A. Routray, "Accurate Eye Localization Algorithm for Gaze Tracking in Low Resolution Images", communicated to *IET Computer Vision*.
- A. Dasgupta, **A. George**, S. L. Happy, A. Routray, "A Vision Based System for Monitoring the Loss of Attention in Automotive Drivers", in *IEEE Transactions on Intelligent Transportation Systems*, vol. 14, no. 4, pp.1825-1838, 2013
- A. Dasgupta, **A. George**, S. L. Happy, A. Routray, Tara Shanker "An on-board vision based system for drowsiness detection in automotive drivers", in *International Journal of Advances in Engineering Sciences and Applied Mathematics, Springer, Special Issue on Advanced Traffic and Transportation Systems*, vol. 5, no. 2-3, pp. 94-103, 2013

HOBBIES   Badminton, Reading.

PERSONAL PROFILE

- **Permanent Address**: Thannikkappara House,
  Payam P. O.,
  Kolikkadavu via, Kannur,
  Kerala. PIN: 670704
- **Date of Birth**: 2nd May 1989
- **Nationality**: Indian
- **Marital Status** : Married
- **Languages known**: English, Malayalam, Hindi, Tamil
- **Passport Details**: Valid till 12.10.2025
- **Personal Strengths**: Quick learner, willing to take challenges, easily adaptable

Declaration

I hereby certify that the above mentioned particulars are correct up to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

(Anjith George)