



WORK OFFER

Ref. No. IN-2020-21107-KU

Employer Information

Employer: Faculty of Computer Science and Engineering, Karunya Institute of Technology and Sciences
Computer Science and Engineering
Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore, Tamil Nadu, India
Karunya Nagar
641114 Coimbatore
India

Website: www.karunya.edu

Location of placement: Karunya Institute of Technology and Sciences, Coimbatore
Nearest airport: Coimbatore International Airport
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 600
Business or products: Educational

Student Required

General Discipline: 11-COMPUTER AND INFORMATION SCIENCES
Field of Study: 11.0103-Information Technology.

Completed years of study: 3
Student status requirements: Student status required during internship
Language required: English Excellent

Required Knowledge and Experiences: Machine Learning, Python/Matlab/Java/openCV
Other requirements:

Work Offered

The volume and complexity of diagnostic imaging is increasing at a pace faster than the availability of human expertise to interpret it. Artificial intelligence has shown great promise in classifying two-dimensional photographs of some common diseases and typically relies on databases of millions of annotated images. Until now, the challenge of reaching the performance of expert clinicians in a real-world clinical pathway with three-dimensional diagnostic scans has remained unsolved. Here, we apply a novel deep learning architecture to a clinically heterogeneous set of three-dimensional optical coherence tomography scans from patients referred to a major eye hospital. To develop a diagnosis system for retinal diseases using clinical dataset. The system has to pre-process the image, segment the region of interest, classify the infected particles, and grade the disease.

Number of weeks offered: 5 - 6
Working environment: Research and development
Within the months: 01-JUL-2020 - 30-SEP-2020
Gross pay: 8000 INR / Month
Or within: -
Deduction to be expected: 0%
Company closed within: -
Payment method / time of first / payment:

Latest possible start date:

Accommodation

Canteen at work: Yes
Expected type of accommodation: Student dormitory
Estimated cost of lodging: 5000 INR / Month
Accommodation will be arranged by: IAESTE LC-Karunya
Estimated cost of living incl. lodging: 8000 INR / Month

Additional Information

For more information about the local committee: <http://explore.iaeste.in/ku>

Nomination Information

Deadline for nomination: 15-MAR-2020

Date: 13-FEB-2020
On behalf of receiving country: Siddharth Chadha



WORK OFFER

Ref. No. IN-2020-21507-KU

Employer Information

Employer: Faculty of Electrical & Electronics Engineering, Karunya Institute of Technology and Sciences
Electrical and Electronics Engineering
Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore, Tamil Nadu, India
Karunya Nagar
641114 Coimbatore
India

Website: www.karunya.edu

Location of placement: Karunya Institute of Technology and Sciences, Coimbatore
Nearest airport: Coimbatore International Airport
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 600
Business or products: Educational

Student Required

General Discipline: 14C-ELECTRICAL AND ELECTRONICS ENGINEERING
Completed years of study: 3

Field of Study: 14.1099-Electrical, Electronics and Communications Engineering, Other.
Student status requirements: Student status required during internship

Language required: English Excellent

Required Knowledge and Experiences: Basic Electrical Engineering, MATLAB; PSIM, PSPICE
Other requirements:

Work Offered

Automatic
Artificial Intelligence (AI)-based systems are nowadays widely employed in the domain of induction motor fault identification with high success rate. Artificial neural network are utilized extensively for the detection and diagnosis of various induction motor faults. A research based on an ANN approach for multiple fault classification in an induction motor, validating its effectiveness through different cases of study that considered the motor under diverse fault conditions such as faulty bearing, broken rotor bar and stator interturn fault is to be carried out by the student

Number of weeks offered: 5 - 6
Working environment: Research and development

Within the months: 01-JUL-2020 - 30-SEP-2020
Gross pay: 8000 INR / Month

Or within: -
Deduction to be expected: 0

Company closed within: -
Payment method / time of first / payment:

Latest possible start date:

Accommodation

Canteen at work: Yes

Expected type of accommodation: Student dormitory
Estimated cost of lodging: 5000 INR / Month

Accommodation will be arranged by: IAESTE LC-Karunya
Estimated cost of living incl. lodging: 8000 INR / Month

Additional Information

For more information about the local committee: <http://explore.iaeste.in/ku>

Nomination Information

Deadline for nomination: 15-MAR-2020

Date: 13-FEB-2020
On behalf of receiving country: Siddharth Chadha



WORK OFFER

Ref. No. IN-2020-31104-MU

Employer Information

Employer: Manipal Institute of Technology
Computer Science and Engineering
1st Floor, Academic Block-4, MIT, Manipal
576104 Manipal
India

Website: <http://www.manipal.edu>

Location of placement: Manipal
Nearest airport: Mangalore
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 500
Business or products:

Student Required

General Discipline: 11-COMPUTER AND INFORMATION SCIENCES
Field of Study: 11.0901-Computer Systems Networking and Telecommunications.

Completed years of study: 3
Student status requirements: Required during the internship.

Language required: English Excellent

Required Knowledge and Experiences: Good Understanding of Computer Networks, Basics of IoT and Security Programming knowledge

Other requirements:

Work Offered

Dependence on Internet Of Things(IoT) has been increasing multifold in this decade and the future appears to be completely dependent on such devices. These days, IoT has been aimed at reducing the intervention by humans, thus increasing their efficiency by depending on huge amounts of data collection on users, implementing multilevel algorithms and crunching all these numbers to provide the utmost digital experience and increasing comfort levels for humans. Smart home is one of the applications of IoT wherein a resident's life quality can be improved. But these devices are more prone to cyber-attacks. Due to the tremendous increase in Cyber-attacks day by day, providing security and privacy for Smart home users is really needed and is challenging. Blockchain provides three important properties such as transparency, privacy and security. Due to the decentralized approach for data usage Blockchain network provide privacy in high security environments.

Number of weeks offered: 6 - 12
Working environment: Research and development

Within the months: 30-JUN-2020 - 15-SEP-2020
Gross pay: 7000 INR / Month

Or within: -
Deduction to be expected: 15%

Company closed within: -
Payment method / time of first / payment:

Latest possible start date:

Accommodation

Canteen at work: Yes

Expected type of accommodation: Student dormitory
Estimated cost of lodging: 0 INR / Month

Accommodation will be arranged by: IAESTE India LC Manipal
Estimated cost of living incl. lodging: 4500 INR / Month

Additional Information

For more information about the local committee: <http://explore.iaeste.in/mu>

Nomination Information

Deadline for nomination: 15-MAR-2020

Date: 13-FEB-2020
On behalf of receiving country: Siddharth Chadha