



WORK OFFER

Ref. No. IN-2019-1829-MU

Employer Information

Employer:

Website:

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

Completed years of study: 3

Field of Study: 11.0102-Artificial Intelligence.

Language required: English Excellent

Required Knowledge and Experiences:

Natural Language Processing/machine learning/reinforcement learning/pattern recognition and Java/Python

Other requirements:

Work Offered

Role Based Access Control (RBAC) is the most widely used model for advanced access control deployed in diverse enterprises of all sizes. Therefore, a main principle of RBAC is maintaining the minimum set of roles needed to complete the task, Least Privilege Principle (LPP). However, even after a set of roles has been defined, due to the dynamic nature of business processes users may access only some set of services from the cloud applications. In such a case, some role assignments for the user for the corresponding services are now obsolete. Similarly, over a period of time, some role assignments for the user may need to be refurbished. Therein lies the biggest problem of RBAC - how to dynamically maintain a functional set of roles and user-role assignments in cloud application services that satisfy LPP. Feasible solutions in terms of role mining techniques, dynamic user-role assignment and role refinement processes are proposed by the researchers. Hence the student will be required to research about the above mentioned proposed solutions, comparatively analyze them and suggest the best solution to dynamic RBAC problems.

Number of weeks offered: 6 - 10

Working environment: Research and development;Office work;Field work

Within the months: 07-MAY-2019 - 30-NOV-2019

Gross pay: 7,000 INR / Month

Or within: -

Deduction to be expected: 15%

Holidays: -

Payment method / frequency: /

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: 4,500 INR / Month

Additional Information

Nomination Information

Deadline for nomination: 31-MAR-2019

Please send nominations by Exchange Platform

Date: 23-JAN-2019

On behalf of receiving country:

Krushn Bhuta