



No. IIITMK/0036/2019

17/09/2019

REQUIRES

Indian Institute of Information Technology and Management – Kerala [IIITM-K] is a postgraduate autonomous academic institute established by the Government of Kerala. The institute is actively involved in postgraduate education, research, R&D in the areas of Information Technology. More information is available at www.iiitmk.ac.in.

IIITM-K invites the applications from suitable candidates for the following posts under Financial/tax Analytics Project of the institute. The appointment will be initially for a period of one year and will be extended based on the performance and project funding.

1. Data Scientists - 6 posts

(Salary Rs. 35000 – Rs. 60000 per month)

Job Code No: GDS/09/2019

Experience: 0-5 years

Essential Qualification: MTech/MSc in Computer Science or IT/MCA with strong knowledge in Python/R Programming and experience with Data Analytics Tools like R, Python and MatLab.

Experience: Should have minimum 0-5 years of solid work experience in data analytics/machine learning projects. Candidates should have deep understanding and implementation experience in data analytics, machine learning and deep learning projects with a strong base in database applications. Deep knowledge in implementing python/R codes for big data analytics platform especially in Apache Spark environment. Should have relevant experience in delivering world-class data science outcomes. Experienced with Linux systems





Technical Skills Required:

Experience with R & Python programming.

Deep knowledge in Data Analytics and Machine tools in R and Python

Deep knowledge in Data Analytics and Machine learning algorithms

Experienced in installation/maintenance and application development using Apache Spark (especially Pyspark)

Age: 22-35 years

Job Description

- Set up data analytics practices in financial/tax data especially using bigdata platform
- Create machine learning models to find out trends in tax data
- Fraud analytics and network analytics on tax/financial data
- Reports/visualizations should be delivered through a web-based platform

2. Software Developer, 1 post

(Salary Rs. 35,000 – Rs. 45,000)

Job Code No: GSD/02/2019

Experience: 3-5 years

Essential Qualification : BE/BTech/ MSc CS-IT/ MCA/ with minimum 3-5 years of solid experience in developing web based projects in Java/J2EE / PostgreSQL Environment.

Experience: Candidates should have experience with Angular JS, React, Spring boot etc. 3- 5 years of proven experience in web programming.

Age: 22-35 years

Job Description:

- Job as senior web developer.
- Deliver across the entire app life cycle –concept, design, build, deploy, test, release to app stores and support





- Working directly with developers and product managers to conceptualize, build, test and realize products
- Gather requirements around functionality and translate those requirements into elegant functional solutions
- Build prototypes at tech scoping stage of projects
- Create compelling device specific user interfaces and experiences
- Standardizing the platform and in some cases apps to deliver across multiple brands with minimal duplication of effort
- Gather and refine specifications and requirements based on technical needs, Create and maintain software documentation.
- responsible for maintaining, expanding, and scaling the website.
- Stay plugged into emerging technologies/industry trends and apply them into operations and activities. Cooperate with web designers to match visual design intent

Technical Skill Set Required

- Familiarity with the jQuery, JavaScript Angular, React JS experience is a must. A solid understanding of how web applications work including security, session management, and best development practices. Basic knowledge of Search Engine Optimization process. Aggressive problem diagnosis and creative problem solving skills. Strong organizational skills. Ability to work and thrive in a fast-paced environment. Familiar with the Eclipse IDE. Knowledge of SQLite and PostgreSQL.
- Common Understanding of other compiled languages Experience on web service integration (SOAP, REST, JSON, XML)
- Experience building web and native apps Experience using social media API integration Ads integration using a 3rd party ad server





3.Database Administrator, 1 Post (Rs. 35000 - 60000 per month)

Job Code No: GDA/09/2019

Essential Qualification: BE/BTech/MSc CS-IT/ MCA/ with minimum 3-5 years of solid post qualification development experience in handling both SQL and NoSQL databases. Candidates with experience in handling data analytics projects is preferred.

Experience:

2-5-year industry experience as a database administrator with experience in PostgreSQL and NoSQL databases such as HBase, Cassandra, MongoDB etc.

Age: 22-35 years

Job Description

- Performance, availability, integrity, and security of all SQL and NoSQL databases for the big data environment.
- Expected duties include management of servers'/Cloud management
- Performance monitoring
- Disaster Recovery / Disaster Preparedness, installation and upgrade of instances, backup and restore activities, and access control.
- Work as part of the infrastructure team to support application developers, solutions architects and project management.
- Creates and implements policies and procedures to ensure the database environments meet all City security and operational policies.
 - Internally motivated, able to work proficiently both independently and in a team environment
 - Strong communication skills with both internal team members and external stakeholders
 - Strong initiative to find ways to improve solutions, systems, and processes
 - Knowledge in Data Analytics tools like R





Technical Skill Set Required

PostgreSQL, NoSQL (like HBase, Cassandra, MongoDB), Query optimization in bigdata environment, Python programming skills. Working experience with Linux systems, Firewalls & Networking devices. Management of Linux systems.

4. Senior Consultant - Data Science (Full time)

Salary Rs. 1,50,000 - Rs. 2,00,000 Per month

Job Code No: GCD/09/2019

Experience: Minimum 6-10 years

Essential Qualification: BE/BTech/MSc CS-IT/ MCA/ with minimum 6-10 years of solid post qualification development experience in handling data analytics project

Technical Skill Required

- Candidates should have deep understanding and implementation experience in in data analytics, machine learning and deep learning with a strong base in database applications
- Deep knowledge in implementing python/R codes for big data analytics platform especially in Apache Spark environment.
- Experience with Big data environment such as Spark/Hadoop etc.
- Should have relevant experience in delivering world-class data science outcomes, Solid experience with Data Analytics, predictive and prescriptive data models (ML and AI), Should have experience with Spark ML libraries
- Knowledge in tax domain



- Excellent skills in statistical and modeling packages R and Python
- Experience in handling PostgreSQL and No-SQL (such as HBase, MongoDB, Cassandra etc.) Exceptionally good skills in db server reporting services, analysis services, integration services, and other data visualization tools.
- Strong written/verbal communication skills
- Solid references.

Job Description

- Setup Analytics lab for tax analytics
- Set up data analytics practices in financial/tax data especially using bigdata platform
- Create machine learning models to find out trends in tax data
- Fraud analytics and network analytics on tax/financial data
- Reports/visualizations should be delivered through a web-based platform
- Play the role of leading innovation in Governmental agencies to increase Tax income
- Identify and monitor key risks in tax evasion
- Manage junior data science teams and oversee all activities and report to higher authorities in a regular fashion
- Scope, design, and implement ML models to support improving tax collection
- Work in coherence with IIITMK and Governmental agencies

5. Senior Consultant – Tax/Financial Expert (Full time)

Salary Rs. 1,25,000 – 2,00,000 per month

Job Code No: GTC/09/2019

Experience: Minimum 6-10 years

Qualification: CA with deep understandings of tax system.

Skills Required





- Able to identify patterns from tax data and tax evasion points
- Able to identify new opportunities for improving tax income
- Strong communication skills

Responsibilities

- Work with data scientist to interpret the results
- Provide necessary domain information to data scientists
- From the interpretation of analytics results, extract possible fraudulent transactions
- Conducting research on tax laws

How to Apply

Interested candidates meeting the eligibility requirements may send a soft/scanned copy of the application in the prescribed format as an attachment to jobs@iiitmk.ac.in or the physical copy of the application to The Registrar, IIITM-K, IIITM-K Campus, Technopark, Kariyavattom PO, Trivandrum -695581. If you are sending the physical copy of the application, please super scribe the envelope with “Application for” and Job Code Applications that are not in the prescribed format will be rejected. Please produce original certificates and experience certificates along with one set of copy at the time of certification verification/Interview.

Last date of receipt of application:30 September 2019. The employer reserves the right not to fill up the posts if suitable candidates are not found. Mere fulfilling the minimum criterion may not entitle anyone to be considered. Canvassing in any form would lead to automatic disqualification. Only the shortlisted candidates will be called for interview. No TA/DA will be provided to attend the interview. All selected candidates should sign one-year employment bond with IIITMK

**Registrar
IIITM-K**

