




Ranji Raj Nair

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Social Network

 YouTube Channel
 LinkedIn Profile












Languages

 German 
 English 













Programming Skills

 Python 
 R 
 Java 
 C 
 Tableau 
 SQL 

Soft Skills

 Teaching 
 Communication 
 Analytical 
 Organizational 
 Visualization 
 Story Telling 

Other Competencies

 Google Colab 
 Machine Learning 
 Deep Learning 
 Keras 
 Tensorflow 
 LaTeX 

Working Experience

2016 – 2018 **QualityKiosk Technologies Pvt.Ltd.** Role: Test Engineer
Virtualization of services for various private banking applications by creating mock responses and stub creation using licensed and open source tools to test web services. Performed system monitoring to determine the performance bottlenecks through client coordination.

Education

Study Programmes

2019 – **Master Studies** Otto von Guericke University
pursuing Focus: Data and Knowledge Engineering
2012 – 2016 **Bachelor Studies** Datta Meghe College of Engineering
Focus: Information Technology
2000 – 2012 **Primary and Secondary Schooling** SIO's Vani Vidyalaya

Publications

2018 **Computer Organization and Architecture**
TEK97
Book on Microprocessor Architecture and Techniques
2018 **Analysis of Algorithms**
TEK97
Book on common data structure algorithms
2017 **Structured Programming Approach**
TEK97
Book on Basic C language practices
2017 **Operating Systems**
TEK97
Book on internals of OS

Research Papers

2020 **Android Application for detecting morphed passport images**
Otto von Guericke University
Demonstrating how a live image of the user face acquired at uncontrolled environment, can be used to restore the de-morphed image from the morphed image stored in the travel document.
2019 **Biometric benchmark based on Handwriting and Hand Geometry Modalities**
Otto von Guericke University
Identification of inter-class and intra-class variance including the impact of forgeries concerning security aspect

Awards

2017 Knowledge Transfer session QualityKiosk Technologies
2016 Student of the Year Datta Meghe College of Engineering
2015 Second rank Academic Performer Datta Meghe College of Engineering

Projects

Master Work Android application to detect morphed passport images.
Work Service Virtualization of Banking Services at Techprocess Pvt.Ltd.
Bachelor Work Scalability and Load Testing at HDFC Bank
Bachelor Information Retrieval using Web Search Engine Optimization
Bachelor E-commerce website using PHP with connection to PayPal SandBox
Bachelor Coffee shop website development

- ✧ Mentioned in Mumbai Mirror
- ✧ Student Seminar

Certifications

2020	Introduction to R Programming	Udemy
	Basics of tibble, vectors, matrices, ggplot2, and other data visualizations.	
2019	Introduction to Python Programming	MySirG.com
	Basics of python data types and data structures, flow control and iterative control, OOPS in Python.	
2015	Oracle Certified Professional Java SE 6 Programmer	Oracle
	Core and advanced concepts in Java related to internals of JVM.	