Ranji Raj Nair

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Social Network

YouTube Channel

Linkedin Profile

GitHub Page

Languages

🇩🇪 German ● ○ ○ ○ ○

🇺🇸 English ● ● ● ● ●

Programming Skills

Python ● ● ○ ○ ○

R ● ○ ○ ○ ○

Java ● ● ● ○ ○

C ● ● ● ○ ○

Tableau ● ○ ○ ○ ○

SQL ● ○ ○ ○ ○

Soft Skills

Teaching ● ● ● ● ○

Communication ● ● ● ○ ○

Analytical ● ● ● ○ ○

Organizational ● ● ● ○ ○

Visualization ● ● ● ○ ○

Other Mentions

Mentioned in Mumbai Mirror

Student Seminar

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 – pursuing	**Master Studies**	Otto von Guericke University
	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	Android application to detect morphed passport images.
Work	Service Virtualization of Banking Services at Techprocess Pvt.Ltd.
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