

Personal Information

Name	Dr. Vinay Raj
Years of Experience	Teaching: 1.2 Years Research: 4.8 Years Industry: 3 Years
Email Id	Vinay.raj@bvrithyderabad.edu.in
Areas of Specialization	Software Engineering, Service Oriented Architecture, Microservices, Machine Learning



Date of Joining: 30th March, 2021

Educational Qualifications

Doctoral Degree	Ph.D. (CSE)	NIT Warangal
PG Degree	M.Tech.(CSE)	BITS Pilani
UG Degree	B.Tech(CSE)	KITS Warangal, Kakatiya University.

Patent Filed

NA

Books Publishes / Book Chapters / Monographs:

1. **Vinay Raj**, Amandeep Saini and Ravichandra Sadam, “Integration of Attribute-Based Access Control in Microservice Architecture” published in "Lecture Notes in Networks and Systems" of Springer Nature.
2. **Vinay Raj**, Srinivasa Reddy K, “Best Practices and Strategy for Migration of Service Oriented Architecture Based Applications to Microservices Architecture" published in "Algorithms for Intelligent Systems” (AIS) Series of Springer Nature

Papers Published

International Journal Publications

2020-2021

1. **Vinay Raj** and Ravichandra Sadam, “Performance and complexity comparison of SOA and microservices architectures”, International Journal of Communication Networks and Distributed Systems, Inderscience.
2. **Vinay Raj** and Ravichandra Sadam, “Patterns for migration of SOA based applications to microservices architecture”, Journal of Web Engineering, River Publishers.

3. Vinay Raj and Ravichandra Sadam, “Evaluation of SOA based web services and microservices architecture using complexity metrics”, SN Computer Science, Springer.

International Conference Publications

1. **Vinay Raj** and Ravichandra Sadam, “Microservices: A perfect SOA based solution for Enterprise Applications compared to Web Services”, 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), May 18-19, 2018, held at Sri Venkateshwara College of Engineering, Bengaluru, India.

National Conference Publications

NA

FDP's Attended / Conducted

1. Participated in a Five day Short Term Course on “**Data Analytics using Python**” conducted by Dept of CSE & Mathematics, NIT Warangal from 8th to 12th Feb, 2021.
2. Attended a four days online FDP on “**Python Programming**” conducted by Dept of CSE, K L University from 15th to 18th July , 2020
3. Participated in a National Level one week online workshop on “**Cloud Computing with Microsoft Azure**” organized by Dept of CSE, KITS Warangal from 22nd to 29th July, 2020.
4. Participated in one week online FDP on “**Current Research Trends in Computer Science (CRTCS)**” conducted by Dept of CSE, KITS Warangal from 29th July to 2nd August, 2020.
5. Participated in a 3-Day National Conference on “**Recent Advances in Modelling Expert Systems (RAMES)**” conducted by Dept of CSE, NIT Warangal from 26th to 28th June, 2018.
6. Participated in a six-day Intensive FDP on “**Computational Research Techniques using MATLAB (CRT 2018)**” organized by E & ICT Academy, NIT Warangal from 9th to 14th July, 2018.
7. Participated in a National Workshop on “**Role of IPR in Innovation Management for Academia-Industry Collaboration**” held on 17th November 2018 at NIT Warangal.
8. Participated in “**The Sixth International Conference on BIG DATA ANALYTICS**” organized by Dept of CSE, NIT Warangal from 18-21 December 2018.
9. Participated in one week online Training Programme on “**Verilog Programming**” conducted by National Institute of Technical Teachers Training and Research, Chennai from 17th May to 21st May, 2021.
10. Participated in a National Webinar on “**Machine Learning Applications in Food Engineering**” held on 15th May, 2021 at BVRIT Hyderabad College of Engineering for Women.
11. Participated in one week online Workshop on “**Machine Learning - Concepts and Applications**” conducted by Dept of CSE, National Institute of Technology Tiruchirapalli from 19th April to 23rd April, 2021.

12. Participated in one week online Workshop on “**Nuts and Bolts of Machine Learning Model : Theory and Practical with Python**” conducted by Dept of CSE (AI & ML) , Institute of Aeronautical Engineering, Hyderabad from 20th May to 26th May, 2021.
13. Participated in a Talk on “**The Field of Quantum Computing**” Conducted by Dept of CSE & IT, held on 13th May, 2021 at BVRIT Hyderabad College of Engineering for Women.
14. Participated in a Four day online program on “**Data Analysis using Python**” conducted by National Institute of Electronics and Information Technology (NIELIT), Calicut from 9th to 12th March, 2021.

Professional Memberships:

NA

Awards & Recognitions:

1. International Young Researcher Award by I2OR.
2. Got “On The Spot Award” in TCS for 6 times.
3. “Star of the Month” award in TCS Aug 2014 & “Best Team” in October 2014.

Any Other Achievements

- Qualified in **UGC-NET November 2017** and **July 2018**.
- Qualified in **TS-SET 2018** conducted by Osmania University, Hyderabad.
- Qualified **GATE** in 2011 & 2012.

Online Quiz's

REVIEWER

Reviewer for below Journals

1. Advanced Engineering Forum
2. International Journal of Engineering Research & Technology
3. Advanced Materials Research

Certifications:

1. IBM DB2 Certified.
2. NPTEL Certification on “Python for Data Science”.