

CURRICULUM VITAE

Saurabh Avinash Tejpal



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Professional Qualification:

- **PhD Pursuing- IoT & Deep Learning**
Title Of Thesis – “Framework for Heart Disease Detection using Deep Learning Methods”
From : Oriental University Indore M.P.
- **Master of Technology Microwave, 2010 with - 79.20%**
Department of Electronics & Telecommunication, Singhania University, Rajasthan

Patents: 4

Major Subjects:

- Big Data Analytics
- Database Management System
- Natural Language Processing
- Microcontroller
- Python

List of Publications:

1. Develop IOT Technology to scale up existing treatment options to provide a healthcare solution, High Technology Letters, ISSN No: 1006-6748, Impact Factor: 2.7, Peer Review, International Journal.
2. IoT FOR PERSONALISED HEALTHCARE SERVICES USING CLUSTER AIDED MACHINE LEARNING, Journal of Environmental Protection and Ecology 25(5) (2024) Pages: 1638-1648
3. Unified Deep Learning Framework Integrating CNNs and Vision Transformers for Efficient and Scalable Solutions Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)

STTP & Workshops Attended

1. ATAL FDP on “AI in Supply Chain Management of Agriculture Produce” at **TSEC, Bandra** from 8th January to 13th January 2024.
2. NITTRC FDP on “AI/ML and Data Science for Industry 4.0 (Advanced Level) from 26th February to 1st March 2024.
3. Successfully completed “Python Developer” course from **Sololearn** in April 2024

4. Attended Infocomm India Summit 2024 co-organized by ICT Academy at the Jio **World Convention Centre** on 4th September 2024.
5. FDP IP MAXIMA 2023 “IPR Awareness for Maximum Research” by In-TEC in association with IMMT Bhubaneshwar from December 11-16 2023.
6. Faculty Orientation Program on “Natural Language Processing” by **Fr C Rodrigues Vashi** on 9th January 2023.
7. FDP Attended “Microsoft Azure Data Fundamentals” February 28th to March 4th, 2022, ICT Acedemy.
8. STTP Attended “Wireless Communication” July 2012, TEC, Nerul.
9. Successfully Completed “Learnathon 2022” in association with ICT Academy from August 2022 to October 2022.
10. One month Course successfully completed on “Mastering Natural Language Processing with Python” in November 2022 from Infosys Springboard.
11. STTP on “Internet of Things & its Applications in Industry” by RAIT, Navi Mumbai from June 8-12, 2020.
12. STTP on “Signal Analysis, Machine Learning & its Applications using Python and Matlab” by RAIT, Navi Mumbai from June 1-5, 2020.
13. STTP on “Latex for Everyone” by RAIT, Navi Mumbai from June 18-20, 2020.
14. One-day Workshop on “Intellectual Property Rights” on 4th August 2018 at Terna Engineering College, Nerul, Navi Mumbai.
15. 8 weeks course on “Introduction to Programming with Matlab” by Coursera successfully completed on 1st June 2020.
16. A one-day workshop on “MATLAB simulation” on 3rd January 2019, EXTC department at Terna Engineering College, Nerul, Navi Mumbai.
17. Four days workshop on “Network Associate” at Terna Engineering College in association with TeleNetworks Technologies on 07-10 Feb. 2019.
18. A five-day workshop on “Cyber Security and Laws” at Terna Engineering College, association with TeleNetworks Technologies on Sept. 13-17, 2019.
19. Participated in a one-week online FDP on “Python 3.4.3” by Spoken Tutorial Project, IIT, Bombay from 25th April – 30th April 2020 remotely at Sinhgad Institute of Technology, Lonavala.
20. Passed an online “Python 3.4.3” exam conducted remotely at IIT, Bombay (Spoken Tutorial) on 08th May 2020.

21. Participated in an online one-week FDP on “Research Funding Projects and IPR” organized by K. C. College of Engineering and Management Studies and Research, Thane, from 07th May – 10th May 2020.

22. Attended a one-week workshop on “Cyber Security Awareness” organized by the Department of Electronics and Telecommunication Engineering, Terna Engineering College, Nerul from 07-11 Oct 2022 association with Tele Networks Technology Private Limited.

Software Tools:

1. SQL (Dbeaver)
2. MATLAB
3. Python
4. NOSQL (MongoDB)

Professional Association:

1. Institute of Electrical and Electronics Engineers (IEEE)-Member
2. Indian Society of Technical Education (ISTE) - Life Member

Talks/Guest Lectures Delivered:

Invited Lecture on “Microcontrollers 8051” in Information Technology Department, Terna Engineering College, Navi Mumbai

Declaration

I hereby declare that the foregoing information is correct and complete to the best of my knowledge.

Saurabh Avinash Tejpal

Place: Mumbai