Mr. Pranay D. Saraf.
Flat no. 204, Shantinath Enclave,
Sangharsh Nagar, Jaitala Road,
Nagpur-440036

Major: **M. E. (Mobile Technology)**
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Objective:

- To get a good starting platform whereby I can apply my professional skills and start my IT career.

- To be a good human being at personal level & a good citizen at societal level.

Experience/Education Details:

Qualification: Ph. D. (Persuing), M.E. (Mobile Technology), B.E. (Information Technology)

Experience: Academic: 8 Years 11 Months

Designation and Institute: Assistant Professor, Department of Computer Science and Engineering**,**
G. H. Raisoni College of Engineering, Nagpur.

Examination	Institution/College	Academic Year	Percentage
M.E. (Mobile Tech.)	G. H. R. C. E. Nagpur	2013	9.31 (CGPA)
B.E.	Y. C. C. E. Nagpur	2011	60.72%
H.S.C.(XII)	State Board (Nagpur Division)	2006	64.84%
S.S.C.(X)	State Board (Amravati Division)	2004	76.13%

Project Profile:

Key Projects:

Project	Project Highlights
1] E-Governance	This project is mainly created to generate and verify Vehicle PUC and Insurance certificate digitally. This digital certificate will be processed into central repository for Digital Verification. This is helpful to reduce the rate of corruption and helps in the vision of Digital India.
2] Dashboard for AICTE Schemes and Initiatives	The main objective of the project is to ensure every scheme and initiatives taken by AICTE must be useful to grass-root level colleges and students. Many schemes and initiatives with their beneficiaries are mentioned with statistics.

Academic Projects:

Project	Designing Platforms	Project Highlights
1] Pharmaceutical Inventory Management System	C#, ASP.Net, SQL Server 2003	Pharmaceutical Inventory Management System deals with record of medicines provided by different companies. It maintains all record including selling and purchase as well as bill generation with maintenance of expiry date. The front end of project is interactive for the user as well as administrator, except the authorization rights.

2] Efficient User Notification Through Android OS	Android SDK, XML	Efficient user notification gives you all the notifications of your mobile services (Ex. Battery, missed calls, messages, etc) on the applications like Facebook or to any of the contacts person from user defined list.
3] Vehicular Obstruction Information on Curve Roads	Hardware Based (RF Sensor, Speed Actuator, LED Displays,etc.)	The main objective of the project is to ensure that there is no collision between the vehicles where system is deployed for curve roads. The system provides safety with the communication between V2V and V2I. In case of loss of V2V communication, RSU should provide the information about the vehicles. The signals provided for informing driver about alert zone (Areas in which number of accidents are more) are digital signals, replacing the traditional.

Projects Guided:

UG Level: 14

PG Level: 5

Awards and Recognition:

- Best Project as Gold for project titled "Data Centralization for E-Governance" in Academic Category in 19th National E-Governance Conference with hands of Honorable Chief Minister of Maharashtra on 23 January 2016 (Guided Project).
- Applied for Patent for project Titled "Development of Cloud Based Mobile Gadget" (Draft No: 201621008464) under G H Raisoni College of Engineering, Nagpur (Guided Project).
- Best Research Paper Titled "Traffic Density State Estimation using Acoustic Signals" at National Conference on Advances in Engineering, Technology and Applied Science, 15-16 March, 2013, YCCE, Nagpur.
- Consolidation Prize at RGI Best innovation Awards for project titled "Free Calling using Wi-FI" in March-2014 (Guided Project).
- Participate as Mentor in MHRD Smart India Hackathon 2017, project DigiVaahan for Ministry of Road and Transport, GOI in April 2017.
- Participate as Mentor in MHRD Smart India Hackathon 2018, project Dashboard for AICTE Schemes and Initiatives for AICTE in April 2018.

Publication Details:

International Conference: 10

International Journal: 5

National Conference: 1

Author:
- Presented Technical paper on "The Traditional and New Generations In-vehicle Networks in Automotive Field" at ICACEEE'12, 25-27 March 2012, Mumbai, India.
- Published Technical Paper in International Journal of Latest Trends in Engineering and Technology (IJLTET) titled "Pre-crash Sensing and Warning on Curves: A Review", Vol. 2, Issue.1, January 2013.
- Presented Technical Paper on "An Approach of vehicle information integration for traffic safety", at International Conference on Industrial Electronics and Electrical Engineering (ICIEEE 2013), May 5, 2013, Pune, India.
- Presented Technical Paper on "A Review On Evolution Of Architectures, Services And Applications In Computing Towards Edge Computing", at 4th International Conference On Innovative Computing & Communication (ICICC-2021), 20-21 February 2021.

- Presented Technical Paper on "Survey on Edge, Fog Assisted IoT Framework using Intelligent Learning Techniques", at Proceedings of International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications: ICMISC 2021
- **Co-Author:**
- Presented Technical paper on "Traffic Density State Estimation using Acoustic Signals" at National Conference on Advances in Engineering, Technology and Applied Science, 15-16 March, 2013, YCCE, Nagpur.
- Published Technical Paper in International Journal of Science and Research on "Efficient Technique for Network Lifetime Enhancement by Cleaning Dirty Data", ISSN: 2319-7064, Vol 4, Issue 4, April 2015
- Presented Technical Paper in 25th IRF International Conference on "Improving Performance of System Using Genetic Algorithm With An Optimized Path", ISBN: 978-93-85465-00-0, 26th April 2015, Pune
- Presented Technical Paper in IEEE International Conference on Engineering and Technology (ICETECH) on "A Review on Data Cleaning Techniques in WSN", at Rathinam Technical Campus,Coimbatore, TN, India. 20 March 2015.
- Published Technical Paper in International Journal of Research in Engineering and Advanced Technology on "An Optimal Approach for Minimum Cost Routing in Wireless Sensor Networks Using Genetic Algorithm", ISSN: 2320-8791, Vol 3 Iss. 2, April-May 2015.
- Presented Technical Paper in International Conference on Information Conference on Information Security & privacy (ICISP2015), titled, "Survey on Algorithm for Efficient Cluster Formation and Cluster Head Selection in MANET" on 11-12 December, 2015, Nagpur, India, published in Science Direct, Procedia Computer Science, Elsevier-1877-0509
- Presented Technical Paper in International Conference on Encouraging Innovation and Entrepreneurship in Electronics and Communication Engineering, Titled, "A Survey on Spectrum Sharing for Device to Device Communication" on 22-23 January 2016 at Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur, published in An International E-Journal on Emerging Trends in Science, Technology and Management, ISSN No. 2454-1958
- Presented Technical Paper in International Conference on Encouraging Innovation and Entrepreneurship in Electronics and Communication Engineering, Titled, "A Survey on Strategies for Reducing Interference at Cell Edge in Next Generation Mobile Networks" on 22-23 January 2016 at Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur, published in An International E-Journal on Emerging Trends in Science, Technology and Management, ISSN No. 2454-1958
- Presented Technical Paper in International Conference on titled, "Trainable Intelligent Autonomous Vehicular System For Real Time Applications"
- Presented Technical Paper in International Conference on Information Conference on Information Security & privacy (ICISP2018), titled, " Decision Making using COPRAS and ELECTRE Technique", published in Helix Vol. 8(5) with DOI 10.29042/2018-4039-4043.
- Published Technical Paper in International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-5, January 2020 titled "Data Mining Technique to Data Collection and Analysis for Cyber Forensic

Workshop Attended

- Completed NPTEL Course on Machine Learning (8 Weeks) Conducted by Carl Gustaf Jansson, KTH Royal Institute of Technology, Stockholm, Sweden. (Feb-April 2019)
- Completed NPTEL Course on Machine Learning using Python (1 Week) Conducted by Center of Excellence in Artificial Intelligence and Machine Learning, G H R C E, Nagpur (June 2019)
- Attended 1 week workshop on "Android Application Development" at National Institute of Technical Teachers' Training and Research (NITTTR), Bhopal, MP. (November 2015)
- Attended 4 days National Level workshop on "Network Security" at GHRCE, Nagpur. (Feb 2012)
- Attended 1 week workshop on "Effective Teaching Methodologies" at GHRCE, Nagpur. (April 2012)
- Attended 2 days ISTE workshop on "Aakash for Education," at GHRCE, Nagpur. (November 2012)

Workshop Conducted

- 15 Days Faculty Training workshop on 'Basics of Python' during 14-30 May 2018
- 12 Days Faculty Training workshop on 'Gaming with Python' during 01-12 June 2018

- 12 Days Faculty Training workshop on 'Data Analysis using Python' during 22 October-03 November 2018
- 24 Hours Workshop on 'Android Application Development' for students during session 2018-19.

Technical Details/ Areas of Interest:

- Competent: Python, C, Data Structures
- Beginner: Android, GO, SalesForce, Selenium, AWS.

Professional Society Membership:

- Member Computer Society of India (CSI)
- Member Institute for Electronics and Electrical Engineers (IEEE)
- Member Association for Computing Machinery (ACM)
- Universal Association of Computer and Electronic Engineers (UACEE).
- Member of World Wild Fund's 'Tiger Project'.

Personal information:

- Date of Birth   : 30 June 1989.
- Gender   : Male
- Marital Status   : Married.
- Nationality   : Indian.
- Languages Known   : English, Marathi, and Hindi.
- Hobbies & Interests   :

        1) Reading and Posting web articles on Quora with recent technologies, Innovation of new ideas.

        2) Playing Sudoku, Puzzle solving, Tetris.

Declaration:

  I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

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Place: NAGPUR   **(Pranay D. Saraf)**