Vinay Kumar Sharma

PhD* [CSE] MTech [CSE] MCA MSc [Maths]

Contact Details
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Objective: - Looking for a long term career which can provide satisfaction, growth possibilities, responsibilities and freedom so as to support and expand existing as well as growth potential, for the same I assure hardworking and honesty to the maximum.

Work Experience: -

1. Designation : - Assistant Professor
   Department : - Computer Science & Engineering
   Papers : - Machine Learning, Design & Analysis of Algorithms
   Job Profile : - Taking care of BE – CSBS program, a CU & TCS collaborated program. My job role involves the planning and designing the training Andragogy & Pedagogy for the Faculty members and the students under the guidance of Additional Director and coordinate with industrial advisors for identifying the flaws during the technical training for improvisation.
   Duration : - From January, 2022 to till now
   Institution : - Chandigarh University, Mohali, Punjab

2. Designation : - Assistant Professor
   Department : - Computer Science & Engineering
   Papers : - Machine Learning, Design & Analysis of Algorithms
   Duration : - From June, 2016 to December, 2021
   Institution : - SRM-Institute of Science & Technology, Delhi-NCR Campus, Ghaziabad

3. Designation : - Assistant Professor
   Duration : - From August, 2014 to June, 2016
   Institution : - Dev Bhoomi Group of Institutions, Saharanpur, UP

4. Designation : - Tutor at Home and Coaching Classes
   Duration : - From July, 2012 to June, 2016

5. Designation : - Assistant Professor
   Duration : - From November, 2010 to April, 2012
   Institution : - Infinity Institute of Management & Technology, Saharanpur, UP

6. Designation : - Assistant Professor
   Duration : - From October, 2008 to November, 2010
   Organization : - GSBA Trust, Ghaziabad

7. Designation : - Freelance Software Developer
   Duration : - From September, 2005 to May, 2008
   Organization : - SPL Infotech Pvt. Ltd., New Delhi.

8. Designation : - Software Engineer
Duration : - From July, 2004 to June, 2005
Organization : - S.K. Dynamics Pvt. Ltd., Roorkee, UK

Patents Published and Granted: -

1. Application Number : - 202211001066 A
Publication Date : - 14/01/2022
Publication Journal : - Official Journal of The Patent Office
Publication Authority : - Controller General of Patents, Designs & Trade Marks, Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India
Title of Invention : - **Smart agriculture control system based on internet of things**

2. Application Number : - 202141037912 A
Publication Date : - 27/08/2021
Publication Journal : - Official Journal of The Patent Office
Publication Authority : - Controller General of Patents, Designs & Trade Marks, Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India
Title of Invention : - **An automatic and objective assessment of image quality of real-time traffic images**

3. Patent Number : - 2021101730
Date of Patent Grant : - 05/05/2021
Term of Patent : - Eight years from 5 April 2021
Grant Authority : - Commissioner of Patents, Patent Office, IP Australia, Australia
Title of Invention : - **Dedicated functional area for leg operated computer interactive device for handless people.**

Research Publications in National & International Conferences: -

- ★ One research paper titled "**Deep Learning with Unsupervised and Supervised approaches in Medical Image Analysis**" presented in **IEEE conference 2nd International conference on Advance Computing and Innovative Technologies in Engineering (ICACITE-2022)** organized by Galgotias College of Engineering & Technology, Greater Noida, on 28-29 April, 2022.
- ★ One research paper titled "**Deep Learning based model for classification of COVID – 19 images for Healthcare Research Progress**" presented in **2nd International conference on Innovative Technology for Sustainable Development (ICITSD-2022)** organized by Vellore Institute of Technology, Chennai and published in **Materials Today**, **Science Direct, Elsevier** 18 May, 2022.
- ★ One research paper titled "**HoneyBOT and Its Working**" presented in National conference on **Emerging Trends in Engineering and Technology (ETET-2014)** organized by DBGI, Dehradun on 7-8 November 2014 at Dehradun.
- ★ Vinay Kumar Sharma and Roshan Srivastava (2013) "**AODV & DSR Reactive Routing Protocols with a Comparative Study**", IJARCSSE, Volume 3, Issue 4, April 2013.
- ★ Vinay Kumar Sharma and Roshan Srivastava (2013) "**A Performance Based Comparison between AODV & DSR Routing Protocols**", IJARCSSE, Volume 3, Issue 4, April 2013.

Faculty Development Programs (FDPs):-

1. Attended and successfully completed Five days AICTE approved **ATAL FDP** training program on "**Current Trends and Future Prospects in Data Science**" organized by **Central University of Rajasthan** held during 10th to 14th Jan 2022
2. Attended and successfully completed Five days AICTE approved **ATAL FDP** training program on "**AI – Machine Learning & Optimization**" organized by **Indian Institute of Information Technology, Allahabad, UP** held during 1st to 5th Feb 2021.
3. Attended and successfully completed Five days AICTE approved **ATAL FDP** training program on "**Data Science & Machine Learning**" organized by **KIET Group of Institutions, NCR Ghaziabad, UP** held during 17th to 21st Nov 2020.
4. Attended and successfully completed Five days short term training program on "**Training of Trainers (TOT) for Teacher Educators**" organized by **National Institute of Technical Teachers Training & Research**, Ministry of HRD, Government of India, Bhopal Nadu held during 5th to 9th Oct 2020.
5. Attended Five days Virtual faculty development program on " **Introduction to Machine Learning using Python**" organized by Department of Computer Science and Engineering, MIT School of Engineering, Loni Kalbhor, Pune, MIT Art, Design and Technology University (MIT-ADT) held during 25th to 29th May 2020.
6. Attended Three days faculty development program on "**Natural Language Processing using Machine Learning**" organized by Department of Computer Science & Engineering, SRM-IST, Delhi-NCR Campus, Ghaziabad held during 27th to 29th June 2019.
7. Attended Two weeks multi disciplinary faculty development program "**ERUDITIA – 2018**", organized by SRM Institute of Science & Technology, Delhi-NCR Campus, Ghaziabad held during 12th to 23th June 2018.
8. Attended Two weeks faculty development program on "**Entrepreneurship**" sponsored by "**National Science & Technology Entrepreneurship Development Board, Department of Science & Technology, Government of India, New Delhi**" and organized by Department of Electronics & Communication Engineering, SRM University, Delhi-NCR Campus, Ghaziabad held during 14th to 28th June 2017.

MOOCs/ Online Courses: -

1. **Introduction to Machine Learning** from Duke University on Coursera in November, 2020.
2. **Applied Machine Learning in Python** from University of Michigan on Coursera in October, 2020.
3. **Introduction to Data Science in Python** from University of Michigan on Coursera in August, 2020.
4. **Introduction to Deep Learning (with Honors)** from National Research University Higher School of Economics on Coursera in July, 2020.
5. **Bayesian Methods for Machine Learning (with Honors)** from National Research University Higher School of Economics on Coursera in July, 2020.
6. **Google Cloud Platform Big Data and Machine Learning Fundamentals** by Google Cloud on Coursera in June, 2020.
7. **Reliable Google Cloud Infrastructure: Design and Process** by Google Cloud on Coursera in June, 2020.
8. **Introduction to Data Analytics for Business** from University of Colorado on Coursera in April, 2020.
9. **R Programming** from John Hopkins University on Coursera in April, 2020.
10. **Business Analytics for Decision Making** from University of Colorado on Coursera in April, 2020.
11. **Linear Regression and Modeling** from Duke University on Coursera in May, 2020.

12. **Advanced Linear Models for Data Science 2: Statistical Linear Models** from John Hopkins University on Coursera in May, 2020.
13. **Exploratory Data Analysis** from John Hopkins University on Coursera in May, 2020.
14. PY0101EN: **Python Basics for Data Science** by IBM on edX in June, 2020.

Achievements and Awards: -

- ★ Certificate of Consolidated merit score from Faculty of Engineering & Technology, SRM-Institute of Science & Technology, Kattankulathur for successfully completed Blue Book Series 2020 from 19 to 25 May, 2020.
- ★ Certificate of securing 100 % marks for attending the quiz on Internet of Things organized by Department of CSE, NICHE, Tamil Nadu on 21 May, 2020
- ★ Certificate of achievement securing 100 % marks in **Stay Safe, Stay Digital** event organized by Usha Rama College of Engineering and Technology, Telaprolu, Andhra Pradesh, India on 24 May, 2020

Qualifications: -

- ★ Pursuing **PhD** in **Computer Science & Engineering** from Department of CSE, SRM-Institute of Science & Technology, Delhi-NCR Campus, Ghaziabad
- ★ **M Tech** in **Computer Science & Engineering** from Lovely Professional University, Punjab in 2013
- ★ Master of Computer Application from Dr. B R A University, Agra in 2002
- ★ M Sc in Mathematics from C C S University, Meerut in 2007
- ★ B Sc with Physics, Chemistry and Maths from C C S University, Meerut in 1998
- ★ 12^{th} with Physics, Chemistry and Maths from U P Board, Allahabad in 1995
- ★ 10^{th} with Science and Maths from U P Board, Allahabad in 1993

Skills in Programming, Application and System Softwares: -

Languages	: -	C, R, Python, VB 6.0, VB.NET
IDE	: -	R Studio, Visual Studio
Scripting Languages	: -	HTML/DHTML
Operating Systems	: -	DOS, Unix/Linux, Windows 98/00/XP/ 7/ 8/10
Databases	: -	Oracle 8i & 11i, MS-Access, MS-SQL Server.
Network Simulator	: -	OPNET 14.5.
Others	: -	WAP, MS-Office suite.

Personal Information: -

Father Name	: -	Sh. Dhannu Ram Sharma
Mother Name	: -	Smt. Santosh Devi
DOB	: -	11-08-1978
Sex	: -	Male
Languages Familiar	: -	Hindi, English
Marital Status	: -	Married
Spouse Name	: -	Ms. Archana Rani
Kids	: -	Three

Date :- (Vinay Kumar Sharma)
Place :-