SAURABH KULKARNI

Assistant Professor, Department of Artificial Intelligence & Data Science,

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EDUCATION

Pursuing Ph.D. in Computer Science & Engineering

Visvesvaraya Technological University, Belagavi

📅 July 2017–Present   ● Belagavi, Karnataka, India

M.Tech in Computer Science & Engineering
Manipal Institute of Technology, Manipal

📅 July 2010–June 2012   ● Manipal, Karnataka, India

B.E. in Information Technology
University of Mumbai, Mumbai

📅 July 2005–June 2009   ● Mumbai, Maharashtra, India

EXPERIENCE

Contributor in enhancing recommendation system models

Visvesvaraya Technological University, Belagavi

📅 July 2018 – Present   ● Belagavi, Karnataka, India

- I am currently working on enhancing recommendation models for online commodities using contextual information and self adapting AI agents as a part of my Ph.D. work.

Worked on automated tool for database scrambling

Intel India pvt. Ltd., Bangalore

📅 June 2011 – June 2012   ● Bangalore, Karnataka, India

- It was a full time paid internship in Intel India Pvt. Ltd., Bangalore where I was working on development of automated agent tool for database scrambling for maintaining security in development and testing environment.

COURSES/FDP/SEMINARS ATTENDED

AICTE Training and Learning Academy online FDP on Futuristic Trends In Modern Machine Learning & Data Analytics

Lakshmi Narain College of Technology

📅 13 December 2021 – 17 December 2021

- The course was on trends in different areas of machine learning and data analytics. The practical sessions were conducted in python.

NPTEL online certification course on Probability for Computer Science

IIT Kanpur

📅 August 2021 – October 2021

- The course was on probability theory and its applications in computer science and Data science field. I secured 72% marks in the course.

Seminar on Essentials for Setting-up an AI/DL Lab

Bennett University

📅 17 July 2020

- This seminar introduced different hardware and software required for setting up of AI/DL labs in the organization

Certification Program in Big Data Engineering with Hadoop and Spark

E&ICT Academy, IIT Roorkee and CloudxLab

📅 June 2020 – August 2020

- This was 60+ hrs. online hands-on training and certification program conducted by E&ICT Academy, IIT Roorkee on the cloud infrastructure provided by CloudxLab. This training was sponsored by the Ministry of Electronics and Information Technology, Govt. of India.
- The training certificate is compatible with CCP data engineer, CCA Spark and Hadoop Developer, HDP Certified Developer, HDP Certified Developer: Spark

Online National Workshop on Data Science: Techniques & Tools

Madhav Institute of Technology & Science

📅 20 June 2020 – 21 June 2020

- This was a workshop focusing on different tools for data analysis and visualization, ML etc.

NPTEL Online Certification in Big Data Computing

IIT Patna

📅 February 2019 – April 2019

- This was a course on different platforms of big data and their applications.
- I secured 83% score in this course

ACM Seminars in AI/ML/DS

ACM

📅 July 2020-June 2022

- End to End Testing of AI Systems: Putting Quality Assurance in Place
- How to create generalizable AI
- Testing AI applications
- Visual Data Analysis
- Deep Learning for sequences in quantitative finance

- Machine Learning for algorithm design
- Deep learning & software engineering- a retrospective & paths forward
- Learning symbolic equations with deep learning

ACHIEVEMENTS

- Secured 72% in NPTEL Probability for Computer Science course. Only 80 Candidates out of 4525 candidates are certified in the course.
- Topper in NPTEL course on Big Data Computing with 83% marks.
- Reviewer for Artificial Intelligence Review, Springer.
- Reviewer for Science Progress, Sage Publication.
- Program Committee Member of SEAPP conference 2021, Australia and CRYPIS conference, Canada.
- The article titled "Context Aware Recommendation Systems: A review of the state of the art techniques" is one of the most cited articles listed by Computer Science Review, Elsevier.
- Acted as a consultant in European Commission funded Delphi Survey for Retail Ecosystem Development in 2040.

SKILLS

C, C++
Python
Java
HTML, CSS, Javascript, PHP
SQL
R

PUBLICATIONS

1. Kulkarni, S., Rodd, S.F. (2022). Evaluation of the Impact of Data Sparsity on Collaborative Filtering Models in Context-Aware Recommendation Systems. In: Pandian, A.P., Palanisamy, R., Narayanan, M., Senjyu, T. (eds) Proceedings of Third International Conference on Intelligent Computing, Information and Control Systems. Advances in Intelligent Systems and Computing, vol 1415. Springer, Singapore. https://doi.org/10.1007/978-981-16-7330-6_13

2. A. Hanmandla, J. Ranoliya, D. Ojha and S. Kulkarni, "Webform Optimization using Machine Learning," 2021 6th International Conference for Convergence in Technology (I2CT), 2021, pp. 1-5, doi: 10.1109/I2CT51068.2021.9417919.

3. Saurabh Kulkarni, Sunil F. Rodd, Context Aware Recommendation Systems: A review of the state of the art techniques, Computer Science Review, Elsevier, Volume 37, 2020, 100255, ISSN 1574-0137, https://doi.org/10.1016/j.cosrev.2020.100255. (https://www.sciencedirect.com/science/article/pii/S1574013719301406)