

AKASH J. WAGHMARE

M.Sc. (Mathematics), PGDS (Statistics), M.Ed., B.Ed., B.Sc.

Assistant Professor | Mathematics & Statistics | Data Science & AI

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, Maharashtra, India

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08+

YEARS IN ACADEMIA

06

ACADEMIC QUALIFICATIONS

01

BOOK

PROFILE

Assistant Professor with academic qualifications in Mathematics, Statistics and Education, with teaching experience at senior and junior college levels at Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, since 2018. Academic interests include Algebra, Linear Algebra, Operations Research, Probability and Linear Programming. Alongside mathematics and statistics, developed interdisciplinary expertise in R programming, MATLAB, LaTeX, Power BI, Data Science and Artificial Intelligence.

Completed the Data Science & AI Course from Intellipaat Software Solutions Pvt. Ltd. in June 2023, adding formal professional training in data-oriented and AI-related technologies to an academic foundation in mathematical and statistical sciences.

ACADEMIC & ADMINISTRATIVE RESPONSIBILITIES

Assistant Professor — Rajarshi Shahu Mahavidyalaya (Autonomous), Latur — December 2018–Present

- Teaching at the senior-college level and contributing to academic activities within the institution.
- Teaching at the Junior College level, including Classes XI and XII.
- Supporting student academic development, research-oriented activities and institutional programmes.

Institutional Contributions

- Member, NAAC Cycle-IV, IQAC, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Organizing Committee Member, 5th State Level Student Poster Competition.
- Treasurer, 6th State Level Student Poster Competition.

TEACHING EXPERIENCE

Assistant Professor — Senior College, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur — December 2018–Present.

Assistant Professor — Junior College, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur — Classes XI & XII.

- Mathematics and quantitative subjects.
- Statistics and computationally oriented learning.
- Biomathematics and Biostatistics for Life Science learners.

RESEARCH INTERESTS

- Algebra and Linear Algebra
- Operations Research and Linear Programming
- Probability and Statistics
- Statistical Computing and Data Analysis
- R Programming and Data Visualization
- Computational Mathematics
- Data Science and Artificial Intelligence
- Mathematical applications of AI and interdisciplinary computational research

EDUCATIONAL QUALIFICATIONS

Qualification	Specialization	University	Institute
M.Ed.	Education	S.R.T.M. University	M.P.M.E. College, Jalkot
PG Diploma in Statistics	Statistics	Y.C.M.O.U., Nashik	R.S.M., Latur
B.Ed.	Education	S.R.T.M. University	J.K. College, Latur
M.Sc.	Mathematics	S.R.T.M. University	M.B. College, Latur
B.Sc.	General	S.R.T.M. University	R.S.M., Latur
B.A.	General	Y.C.M.O.U., Nashik	B.K.D., Chakur

PROFESSIONAL CERTIFICATIONS & DATA SCIENCE TRAINING

Data Science & AI Course — Intellipaate Software Solutions Pvt. Ltd. | *Completed 19 June 2023*

- Successfully completed all requirements stipulated by Intellipaate for the Data Science & AI Course.

Additional Digital & Computational Learning

- Introduction of R Software — IIT/NPTEL Online Courses.
- Digital Skills: Artificial Intelligence — Accenture/FutureLearn.
- Computer Programming for Everyone — University of Leeds / Institute of Coding.
- Transforming Digital Learning — Deakin University.
- MATLAB Onramp — MathWorks Training Services.
- Digital Skills: Grow Your Career; Digital Skills: Social Media; Online Content Development; Online Teaching.

COMPUTATIONAL & TECHNICAL EXPERTISE

Mathematical & Statistical Computing

- R Programming
- MATLAB
- LaTeX

Data Science & Business Intelligence

- Data Science and Artificial Intelligence
- Power BI
- Interactive Dashboard Development
- Statistical Data Analysis and Data Visualization

Digital Productivity

- Microsoft Office
- ChatGPT and AI-assisted productivity
- MS-CIT and DTP

RESEARCH & PUBLICATIONS

Book

R Software for Beginners — Shaurya Publication Pvt. Ltd., Latur. ISBN: 978-93-83672-59-2.

ACADEMIC PROJECTS

Introduction of LaTeX — Academic Project (2015)

- Scientific and technical document preparation and mathematical typesetting.
- Typesetting of complex mathematical formulae; automatic tables of contents, bibliographies and indexes.

Introduction of R Software — Academic Project (2018)

- Data handling and storage, statistical computing and graphics.
- Guide: Prof. M. S. Wavare, HoD, Mathematics, Rajarshi Shahu Mahavidyalaya, Latur.

TRAINING PROGRAMMES

- Center for Fundamental Studies Training Programme in Mathematics, NISER, Bhubaneswar — 25 May–20 June 2015; sponsored by Department of Atomic Energy.
- Center for Fundamental Studies Training Programme in Mathematics, NISER, Bhubaneswar — 22 May–17 June 2017; sponsored by Department of Atomic Energy.
- Science Academies Refresher Course in Mathematics, Dayanand Science College, Latur — 11–25 June 2018.

FACULTY DEVELOPMENT PROGRAMMES

- Cyber Security — Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Managing Online Classes and Co-Creating MOOCs — Ramanujan College, University of Delhi.
- Open Source Tools for Research — Ramanujan College, University of Delhi.
- Basics of R Programming — Rajiv Gandhi University / IIT Bombay Spoken Tutorial.
- Advanced Concepts for Developing MOOCs — Ramanujan College, University of Delhi.

Research Paper Presentation: “Artificial Intelligence & IoT Applications in Modern Food Processing: Opportunities for Teaching & Learning”

30 December 2025 | Presented at the One-Day National Seminar on “Smart Solution for Modern Food Processing Challenges” (NSSMFPC-2025), organized by the Department of Zoology & Fishery Science and Biotechnology, Rajarshi Shahu Mahavidyalaya, Latur; PM-USHA Sponsored.

National Seminar on “Use ICT Tools in Teaching Learning & Evaluation”

19 January 2026 | Maharashtra State Faculty Development Academy, Pune, in collaboration with Rajarshi Shahu College, Latur (Empowered Autonomous Institution).

Workshop on “Preparation/Implementation of IDP”

20 January 2026 | Maharashtra State Faculty Development Academy, Pune, in collaboration with Rajarshi Shahu College, Latur (Empowered Autonomous Institution).

One Day Conference on “National Education Policy”

26 February 2026 | Maharashtra State Faculty Development Academy (MSFDA), at Rajarshi Shahu Mahavidyalaya, Latur.

National Conference on “Effective Implementation of Innovative & Best Practices in Higher Education” under PM-USHA

12 March 2026 | Maharashtra State Faculty Development Academy (MSFDA) in collaboration with Rajarshi Shahu Mahavidyalaya, Latur (Empowered Autonomous Institution).

CONFERENCES, WORKSHOPS & SEMINARS

- National Workshop on Finite Group Theory.
- National Conference on Recent Trends in Mathematics and their Applications in Computer Science.
- International Conference on Mathematical Analysis and its Applications.
- Regional Workshop on Madhava Mathematical Competition.
- Workshop on Intellectual Property Rights Awareness for Teachers.
- Workshop on E-Content Development for Effective Teaching.
- Workshop on Startups, Innovations and Intellectual Property Rights.
- National Seminar on NAAC (RAF) Related Quality Assurance Strategy.
- Online Workshop on Comprehensive e-Learning to e-Training for Administrative Work.

INSTITUTIONAL QUALITY & ACADEMIC CONTRIBUTION

- Member — NAAC Cycle-IV, IQAC, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member — Administrative & Academic Audit (AAA), SRTM University, Nanded
- Member – NIRF Ranking Activities

ACHIEVEMENTS

- Qualified IIT-JAM in 2015 and 2016.
- Completed Introduction of R Software through IIT/NPTEL-supported learning.
- Completed Data Science & AI Course from Intellipaat in 2023.
- Professional learning in Artificial Intelligence, programming, digital learning, online teaching, data visualization and MATLAB.

PROFESSIONAL STRENGTHS

- Leadership
- Positive attitude
- Teamwork
- Academic collaboration
- Continuous professional development
- Interdisciplinary learning
- Digital teaching and technology integration

Mr. Akash J. Waghmare