

## SADIA SHAH

Srinagar, J&K | Ph: +91-70062490381 | Email: [sadiashah60@gmail.com](mailto:sadiashah60@gmail.com)

---

### PROFESSIONAL SUMMARY

Energetic Electrical Engineer with an M. Tech in Power Systems and over 4 years of professional experience in academia, research, and power system operations. Skilled in grid systems, renewable integration, MATLAB modelling, and power electronics. Adept at managing projects, delivering technical training, and driving innovation through applied research. Now seeking to contribute to corporate engineering, operations, or technology-driven roles in the energy and power sector.

### KEY SKILLS

MATLAB & LABVIEW Simulation, Electrical Control & Protection Systems, Renewable Energy Integration, Data Analysis & Reporting, Project Coordination & Documentation, Leadership & Team Collaboration, Research & Technical Writing

### WORK EXPERIENCE

---

#### UNIVERSITY OF KASHMIR, INSTITUTE OF TEXHNOLOGY

*Assistant Professor*

*Srinagar, J&K*

*March 2023-March 2025*

- Delivered lectures and supervised projects in Power Systems and Electrical Machines for undergraduate engineering students.
- Designed and maintained laboratory experiments and oversaw procurement of electrical equipment.
- Mentored 100+ students in applied electrical research and renewable energy design projects.

#### GOVT. COLLEGE OF ENGINEERING & TECHNOLOGY

*Assistant Professor*

*Srinagar, J&K*

*April 2022-March 2023*

- Spearheaded curriculum design and project supervision for Power Electronics modules.
- Coordinated field visits and industrial linkages with power generation and distribution units.
- Enhanced departmental efficiency through improved evaluation and reporting processes.

#### KASHMIR GOVERNMENT POLYTECHNIC

*Lecturer*

*Srinagar, J&K*

*November 2017- December 2018*

- Delivered lectures and laboratory sessions in core Electrical Engineering subjects including Power Systems, Control Systems, and Electrical Machines.
- Guided students through practical and theoretical problem-solving, fostering strong technical understanding and project application.
- Mentored diploma students on academic and career growth, promoting applied learning in renewable and conventional power domains.

### EDUCATION

---

#### M.TECH POWER SYSTEM, RIMT UNIVERSITY

*CGPA: 9.2/10 (Distinction)*

*Punjab, India*

*2019- 2021*

#### B.E ELECTRICAL ENGINEERING, ISLAMIC UNIVERSITY OF SCIENCE & TECHNOLOGY

*CGPA: 7.7/10 (Distinction)*

*Awantipora, J&K*

*2013-2017*

### PUBLICATIONS:

- Shah, S., & Showkat, T. (2021). *Photovoltaic Power Control Using Maximum Power Point Tracking (MPPT) Technique and Boost Converter*. *Science and Engineering Journal*, 25(6), 1–8.
- Shah, S., & Sahani, S. (2021). *Microgrid with Integration of Solar PV, Wind and Battery Storage*. *Science and Engineering Journal*, 25(1), 13–18.

### PROJECTS

- M. Tech Project: Microgrid with Integration of Solar PV, Wind and Battery Storage and Grid Integration.
- B. Tech Project: Photovoltaic Power Control Using Maximum Power Point Tracking Technique and Boost Converter.

### SKILLS & LANGUAGES:

Programming languages: C, C++

Operating system: Windows (all series), Macintosh, Ubuntu

Software package: Microsoft Office, Microsoft Visio, MATLAB, Anova, LABVIEW, Mathematical Modelling

Languages: English (Advanced), Kashmiri (Native), Arabic (Fluent Reader), Hindi/Urdu (Intermediate)