



# Shivansh Kate

Roll No.:0901EE201117

B.Tech - Electrical Engineering

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Github | LinkedIn

## OBJECTIVE

As a fresher with a strong foundation in technical problem-solving and project management, my aim is to contribute my analytical abilities and attention to detail to provide innovative solutions. I am eager to learn, collaborate, and leverage my skills to deliver practical and data-driven solutions. This objective focuses on your problem-solving while highlighting your willingness to learn and adapt, which is particularly important for entry-level positions.

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Madhav Institute of Technology and Science, Gwalior	7.34 (Current)	2020-Present
Senior Secondary	CBSE Board	76.4%	2019
Secondary	CBSE Board	7.6	2017

## EXPERIENCE

- DigiMonk Technologies Private Limited** December 2022 - April. 2023  
*Backend Developer Intern* Gwalior
  - Developed and contributed to multiple backend projects using Django REST Framework
  - Designed and implemented RESTful APIs to handle data requests and response, adhering to industry best practices
  - Collaborated with the frontend developers to ensure seamless integration of APIs with web application
  - Successfully managed and maintained database to handle application data efficiently
- Research Internship Program** June 2023 - Aug. 2023  
*Research Intern* MITS Gwalior
  - The impact analysis in power flow on load changes, studied the effects of changing load conditions on the power flow in an electrical power system
  - Analyze changes in power flow patterns, voltage levels, and system stability
  - Analyzing the impact of load changes is essential for maintaining grid reliability, voltage stability, and ensuring that the power system operates within acceptable limits.

## PROJECTS

- Business Card Scan** Sept. 2023 - Oct. 2023  
*Denzai Asset Management* Github
  - Built an API to text extract all the data from any business card of any language from image.
  - Uses Microsoft Azure AI Form Recognizer API to enhance the project. Easily accessible via a single endpoint.
  - Tech Stack: Django Rest Framework, Microsoft Azure AI
- Weather Website** June. 2022 - July. 2022  
*Personal Project* Github
  - Built using Vue3 and the Open Weather API exemplifies the power of modern frontend development, delivering a user-friendly and visually appealing platform for accessing real-time weather information with ease.
  - Tech Stack: Tailwind CSS, Vue 3, Open Weather
- Website Health Status Check** Apr. 2022 - May. 2022  
*Personal Project* Github
  - Leveraging Django and a cron job for website status check empower website administrations with real-time monitoring capabilities, leading to enhance website availability and improved performance.
  - The combination of Django's robustness and the automation provided by the cron job makes it a powerful and efficient solution for website health monitoring
  - Tech Stack: Django, Django crontab, Django Rest Framework
- Blogging Website** Jan. 2022 - Feb. 2022  
*Personal Project* Github
  - Developed a blogging website with an easy-to-use UI and a scalable backend. Admin can perform CRUD operations on 'blogs' and 'users' with payment integration.
  - Owner can even sell the blog.
  - Tech Stack: Django Rest Framework, Vue 3, Razor pay

## TECHNICAL SKILLS

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- **Programming:** Python, C/C++, JavaScript
- **Web Technologies:** Django REST Framework, REST API, Vue3, Tailwind CSS, Numpy, Pandas, Matplotlib, HTML
- **Database Management:** MySQL, PostgreSQL, SQLite3
- **Tools/Frameworks:** Django Rest Framework, Tensorflow\*, OpenCV\*, Heroku, Docker, Git Github, MATLAB\*
- **Operating Systems:** Windows, Linux\*, macOS \* Elementary proficiency

## KEY COURSES TAKEN

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- **Mathematics:** Linear Algebra, Basic Calculus, Discrete Maths, Probability & Random Processes
- **Electrical and Electronics:** Arduino, Raspberry Pi

## POSITIONS OF RESPONSIBILITY

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- **Advisor,** Aerospace Club, MITS Gwalior *Apr-2023 - Present*
  - Transitioned to Advisor Role, Aerospace Club Tech Team: Demonstrated strong leadership by honing project management, event planning, and decision-making skills. Fostered a collaborative environment to encourage innovation and idea exchange, contributing to the team's success.
- **Technical and Creative Head,** Aerospace Club, MITS Gwalior *June. 2022 - Apr. 2023*
  - Core Member, Aerospace Club Tech Team: Led tech management responsibilities, contributing to the successful execution of numerous projects and events, showcasing strong technical expertise and organizational skills.

## ACHIEVEMENTS

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- **NPTEL,** Non-Conventional Energy resources, Sensor Technologies: Physics, Fabrication and Circuits, Qualified the exam *2023*
  - **Jigyasa 2.0,** National Level Competition, organised by Science Club MITS, won 2nd place *2023*
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