




Nikita Sharma

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PROFILE SUMMARY

Motivated Electrical and Electronics Engineering student with expertise in circuit design, control systems. Skilled in using simulation tools and programming languages to tackle engineering challenges. Proficient in problem-solving and situational analysis, providing a robust foundation for an engineering career. Motivated by passion, determination, and creative thinking.

EDUCATION

Amrita Vishwa Vidyapeetham, Bengaluru, India <i>B.Tech Electrical and Electronics Engineering</i>	2022 - Present <i>Current GPA: 7.1</i>
GRM school, Bareilly <i>Higher Secondary School</i>	2019 - 2021 <i>GPA: 8.8</i>
GRM school, Bareilly <i>Secondary School</i>	2018 - 2019 <i>GPA: 9.3</i>

SKILLS

Languages: Python, SQL, Matlab Simulink
Data Analysis & ML: Python (Pandas, NumPy), SQL, Tableau, Matplotlib, Seaborn, Scikit-learn
Soft Skills: Analytical & problem-solving skills, Attention to details, Collaborative & Team management

PROJECTS

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|---|------|
| Data Science Project on Breast cancer classification <ul style="list-style-type: none">Analyzed primary reasons and types of breast cancerUtilized datasets and various parameters for classificationImplemented Python for data analysis and modeling along with statistical analysis | 2024 |
| Division on home microgrid group in the low voltage distribution system system based on reliability <ul style="list-style-type: none">Focused on enhancing reliability using microgrid groups (MGG)Assessed applicability and success of islanding property | 2024 |
| Predictive maintenance and development of deteriorated roadways system in an urban city <ul style="list-style-type: none">Implemented predictive maintenance techniques for urban road managementUtilized IoT sensors, data analytics, and machine learning algorithmsFocused on enhancing the development of deteriorating road systems | 2024 |
| Designed child security alert system using Ultrasonic sensor <ul style="list-style-type: none">Developed a child security alert system incorporating ultrasonic sensorsFocused on enhancing safety measures for children through innovative sensor technology | 2023 |

SOFT SKILLS

- Presentation skills
- Communication skills
- Teamwork

ACHIEVEMENTS

- Published two conference papers in national and international conferences
- Working as the Vice-President in IEEE PELS Club

EXTRA CURRICULAR ACTIVITIES

- Served as Vice-Secretary and currently serving as Vice-President in IEEE PELS Club, Amrita Vishwa Vidyapeetham
- Participated in dance in college activities and also an active volunteer in programs