

ADITI GIRI

B. Tech. - Electrical and Electronics Engineering
Ajay Kumar Garg Engineering College, Ghaziabad
Address: Meerut, Uttar Pradesh
Email: aaditigiri125@gmail.com
Phone: 8920017972

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B. Tech.	Ajay Kumar Garg Eng. College	8.50	2019-2023
Senior Secondary	CBSE Board	85%	2019
Secondary	CBSE Board	10 CGPA	2017

EXPERIENCE

Project Engineer – Authorized System House of SIEMENS

(June’24 - Dec’24)

- Designed, developed, and implemented **100+ automation programs** using Python, LLD, SCL, and STL for industrial applications, ensuring high efficiency and accuracy.
- Programmed and configured **HMI and SCADA systems** to enhance machine automation, improving real-time monitoring and control.
- Conducted rigorous testing, troubleshooting, and optimization of industrial automation programs, ensuring seamless operations.
- Worked extensively with **data handling and processing using Python**, improving machine performance and data-driven decision-making.
- Tech Stack:** TIA V19, TIA V17, TIA V16, Micro WinCC, SCOUT, Start Drive.

Internship – BOSCH Rexroth

(July’22 - Aug’22)

- Trained in **Pneumatics, Hydraulics, and PLC Programming**, developing a strong understanding of industrial automation processes.
- Debugged and optimized control logic using **FBD, LLD, SCL, STL, and Python**, reducing system errors and improving process efficiency.
- Assisted in configuring and troubleshooting PLC systems, ensuring smooth functionality of industrial equipment.

PROJECT

Air-to-Drinking Water Converter System

(May’22 - April’23)

- Engineered an innovative water condensation system using the **Seebeck Effect**, which leveraged **Peltier Modules, Heat Sink, and Cooling Fans** to generate potable water from atmospheric moisture.
- Designed and optimized the thermal efficiency of the system to maximize water yield while minimizing power consumption.
- Conducted rigorous testing and data analysis to refine performance and enhance practical application.

TECHNICAL SKILLS

- Programming:** Python, LLD, FBD, SCL, STL, HMI, SCADA
- Developer Tools:** VS Code, TIA Portals, SIMOTION SCOUT
- Automation Systems:** HMI, SCADA, PLC Programming, Industrial Control Systems
- Software & Tools:** TIA V19, TIA V17, TIA V16, Micro WinCC, SCOUT, Start Drive

CODING PROFILES

- GeeksForGeeks:** Max Rating **1033**, achieved **100+ Points** with a strong problem-solving approach.
- SIEMENS Software Expertise:** Extensive experience with **TIA V19, TIA V17, TIA 16, Start Drive, SIMOTION SCOUT, and Micro WinCC**, used for industrial automation projects.

CERTIFICATIONS & COURSES

- Developing Soft Skills & Personality** – NPTEL, IIT Kanpur (Enhanced communication and teamwork capabilities)
- Enhancing Soft Skills & Personality** – NPTEL, IIT Kanpur (Developed leadership and interpersonal skills)
- S.E.L.P Program** – TEQIP III, AKTU, Lucknow (Strengthened problem-solving and analytical thinking abilities)
- Aptitude & Career Skills** – TPC Global (Trained in industry-relevant skills and career development strategies)

ACHIEVEMENTS

- Final Year Project** selected for **ANVESHA Contest** (2023), showcasing technical innovation and problem-solving skills.
- Placement Offers:**
 - Honda Cars India Ltd.** (Tapukara Plant, Rajasthan) – Secured through On-Campus recruitment.
 - ASA Industries** (Noida) – Successfully placed through On-Campus interviews.
 - Countronics** (Faridabad) – Achieved Off-Campus selection based on technical expertise and practical experience.