Souvick Chakraborty

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EDUCATION

October 2024 – Present **Kiel, Schleswig Holstein, Germany**	**Christian-Albrechts-Universität zu Kiel (Kiel University),** *Masters, Electrical and Information Engineering* **Relevant Course Work:** Advanced Digital Signal Processing, Pattern Recognition and Machine Learning, Essential Numerical Methods, Optimization and Optimal Control
July 2015 – July 2019 **Kolkata, West Bengal, India**	**Maulana Abul Kalam Azad University of Technology,** *Bachelor of Technology, Applied Electronics and Instrumentation Engineering* **Relevant Course Work:** Digital Signal Processing, Control Systems, Analog & Digital Electronics, Soft Computing, Numerical & Statistical Methods, Communications, Microprocessors

EXPERIENCE

June 2022 – April 2024 **Pune, Maharashtra, India**	**AICT Engineering Pvt. Ltd.** *Senior Engineer*

- Designed control programming, interlocks, databases, and hardware drawings to optimize HVAC systems in building automation projects
- Successfully orchestrated the delivery of *30+ projects* in FY-2023, maintaining a flawless track record with zero quality issues
- Recognized as the *top performer* in Q3 FY-2023 for delivering outstanding results on a critical project for a major client
- Collaborated as a core team member, led by the Director, to establish industry standards for new customers and enhance solutions for existing clientele

Aug 2019 – May 2022 **Pune, Maharashtra, India**	**Johnson Controls** *Senior Design Engineer – Project Owner*

- Commenced my career as a Graduate Engineer Trainee and achieved four successive promotions, ultimately assuming the role of project owner
- Spearheaded the successful execution of a *pilot project on-site* at Jio World Center in Mumbai, a flagship portfolio for the India division
- Developed in-house tools to drive a 5% increase in productivity within the post-sale team during the Financial Year 2021

INDUSTRIAL TRAININGS

June 2018 **West Bengal, India**	**West Bengal Power Development Corporation Limited (WBPDCL)**

- Summer training in Bakreswar Thermal Power Plant (with capacity of 1050 MW), with project report submission
- Training on simulation of power plant operation for Boilers, Cooling towers, Burners
- Acquired hands-on training on thermal Power plant domain knowledge, simulation for Boiler controls, Cooling towers and other electrical and process equipment

Dec 2017 – Jan 2018 **West Bengal, India**	**Indian Oil Corporation Limited** • Industrial training visit in Haldia Indian Oil Refinery along with Indian oil Mourigram piping station visit and report submission • Got onsite training on Process instrumentation domain knowledge, sensors and field equipment

TECHNICAL SKILLS

- **Hardware:** PCB design, Controller Commissioning, Arduino, Control Programming for Steam Boiler, Chillers, HVAC systems, HMI Design for Honeywell, Johnson Controls, Siemens, Schneider Electric, Alerton Software

- **Software:** MATLAB, GNU Octave, Simulink, PSpice, Niagara N4, Microsoft Visio, AUTOCAD, LaTeX, Power BI, Microsoft Office
- **Operating System:** Windows, Mac, Linux
- **Programming Languages:** Python, C, C++

POSITION OF RESPONSIBILITY

Aug 2022 – April 2024	Organizing Member of Cultural and Sporting Events at AICT Engineering Pvt. Ltd.
July 2021 – May 2022	Founding members of Kaizen Initiative in Johnson Controls

EXTRA-CURRICULAR ACTIVITIES

• *Dec 2019 –Aug 2024*	Active Member of Bengali club in Pune *Organize cultural events, shows, Bengali art and craft exhibitions in Pune*
• *Mar 2019*	Placed 2nd in Inter departmental Quiz Competition at Heritage Institute of Technology
• *Apr 2017*	Organizing Committee members in Eclecia, Annual Cultural Fest of Heritage Institute of Technology *Farhan Akhtar (Indian Actor, singer), Fossils (Bengali Rock Band) performed in the fest*
• *Mar 2017*	Participated in robotics competition with a team of 4, TECHKRITI'17 annual technical & entrepreneurial fest of IIT Kanpur
• *2016 – 2019*	Student member of ISA (International Society of Automation) *Bring Industry leaders and organize academic seminars for students of Instrumentation department*

LANGUAGES

- **English:** C1
- **Bengali (native):** C2

- **German:** A1
- **Hindi:** C2