

Souvick Chakraborty

souvick.chakraborty@stu.uni-kiel.de | +49 15510 824351 | [LinkedIn](#) | Kiel, Germany

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 (WBPDCCL)

- 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 – Present | 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 – Present | Active Member of Bengali club in Pune
<i>Organize cultural events, shows, Bengali art and craft exhibitions in Pune</i> |
| • Mar 2019 | Placed 2 nd in Inter departmental Quiz Competition at Heritage Institute of Technology |
| • Apr 2017 | Organizing Committee members in Eclectia, Annual Cultural Fest of Heritage Institute of Technology
<i>Farhan Akhtar (Indian Actor, singer), Fossils (Bengali Rock Band) performed in the fest</i> |
| • 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)
<i>Bring Industry leaders and organize academic seminars for students of Instrumentation department</i> |

LANGUAGES

- | | |
|-------------------------------|---------------------|
| • English: C1 | • German: A1 |
| • Bengali (native): C2 | • Hindi: C2 |