

# Arnabesh Das

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## EDUCATION

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- 10/2019 - Present **RWTH AACHEN UNIVERSITY | Aachen, Germany**  
**Master of Science in Biomedical Engineering**
- **Relevant coursework:** Optophysiology - 1,7, Systems Biology - 1,7 (**MATLAB - Statistics and Machine Learning Toolbox**), Medical Statistics - 1,7 (**SAS**)
- 08/2013 - 07/2017 **MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY | Kolkata, India**  
**Bachelor of Technology in Biomedical Engineering**
- Degree Grade Point Average (DGPA): **8,60/10**

## EXPERIENCE

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- 10/2020 - 05/2021 **WOOCAL AUTOMOTIVE TECHNOLOGIES GMBH | Aachen, Germany**  
**Working Student, Website Development and Maintenance**
- Developed multilingual corporation website (54 web pages across three languages) using **HTML, CSS, JavaScript, WordPress, and Elementor**
  - Co-authored Product Requirement Specification (PRS) and maintenance checklist
- 08/2017 - 09/2018 **TATA CONSULTANCY SERVICES | Kolkata, India**  
**Assistant System Engineer, Engineering Services**
- Reviewed and addressed non-conformances in Design History Files (DHF) in a **CAPA** (Corrective Action and Preventive Action) project for an offshore medical device manufacturer. Product - **Intraocular Lenses (IOLs)** and **Phacoemulsifiers**
  - Prepared gap assessment reports and facilitated remediation to ensure **Design Controls (21 CFR 820.30)** compliance
- TATA CONSULTANCY SERVICES | Thiruvananthapuram, India**  
**Trainee, Engineering Services**
- Coordinated project milestones as a representative for a learning group of 25 trainees
- 07/2016 - 08/2016 **ORIENT ELECTRIC LIMITED | Kolkata, India**  
**Intern**
- Redesigned contact configuration of DIP switches (Piano type) for Pedestal fans

## PROJECTS AND ENGAGEMENTS

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- 09/2021 - Present **GOOGLE DSC - RWTH AACHEN UNIVERSITY | Aachen, Germany**  
**Head of Technology**
- Hosting tuesday.py and hands-on workshops on **web technologies, data analytics,** and growing as a community. <https://gdsc.community.dev/rwth-aachen-university/>

## PROJECTS AND ENGAGEMENTS

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03/2016 - 02/2017	<b>DELL COMPASSADOR PROGRAM - SEASON 2   Kolkata, India</b> <ul style="list-style-type: none"><li>Awarded <b>Dell Compassador of the Year 2016</b> out of 2500 pan-Indian participants, collaborating with the native student community and initiating on-campus engagements</li><li>Won <b>first place</b> out of 10 finalists in the <b>Dell My PC My Story</b> Contest, a unique storytelling event on how technology has played a significant role in our achievements</li></ul>
03/2017 - 07/2017	<b>DETECTION &amp; ANALYSIS OF LEUKEMIC CELLS IN BLOOD SMEAR   Kolkata, India</b> <ul style="list-style-type: none"><li>Devised an algorithm for measuring Leukemic cell (B-CLL) count using circle Hough Transform (<b>MATLAB - Image Processing Toolbox</b>)</li></ul>
16/02/2016	<b>SMART CANE - CROSS-HACK 2016 HACKATHON   Kolkata, India</b> <ul style="list-style-type: none"><li>Won <b>first place</b> out of 20 teams in the medical technologies hackathon, building assistive device for the visually impaired that helps detect obstacles with auditory and tactile feedback, using <b>Arduino</b> and <b>USG</b></li></ul>

## SKILLS

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Languages	English (fluent)   German (basic)   Bengali (fluent)   Hindi (fluent)
Web technologies	HTML   Bootstrap 4 Framework   CSS   JavaScript   WordPress   Firebase
Programming	MATLAB (Statistics and Machine Learning Toolbox, Image Processing Toolbox)   Python (NumPy, OpenCV, Matplotlib, Tkinter)   SAS
Productivity software	MS Office   Google Suite (Docs, Sheets, Slides, Forms)   Trello   Slack   Blender   Adobe Creative Cloud (Lightroom, Illustrator)   Jira

Aachen, 02.06.2022



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