

Ayandeep Kundu

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≡PROFILE

A post-graduate in computer science from the University of Lincoln demonstrating high performance in academic studies and engineering research. Significant experience in coding and automation alongside strong soft-skills. Keen to use electrical, analytical, and research skills within an engineering/IT role

🎓EDUCATION

University of Lincoln, UK
MSc (Hons) Robotics and Autonomous System

October 2020 – October 2021
Grade: 2:1

Major modules: Advanced AI(merit), machine learning(distinction), computer vision(distinction) robot programming(merit), Research method(merit), Thesis(distinction)

Final project topic - "Visual Question Answering with Knowledge Base Implementation"

- A complete AI model able to answer questions relevant to a fed Image using computer vision, NLP and Reasoning AI. This knowledge base implementation out performed most VQA models in the market scoring >75% accuracy

Research experience:

- COVID-19 contingency between neighbourhood areas using advanced statistics
- Programming Thorvald Agri-robot
- "Robotic manipulators in Agriculture: A Brief Review"- paper accepted in [LCAS](#)

Meghland Saha Inst. of Technology, India
B.Tech (Hons) Electrical and Electronics Engineering

August 2015 - June 2019
Grade: 7.6/10

Major modules: Embedded systems, power system, engineering design, engineering maths, physics, sensor technology, environmental engineering, final year project

Final project topic - "Touch controlled Electric Load switching"

- Switching loads on and off using sophisticated transistor and IC technology alongside being operated via computer commands
- Knowledge enhanced in the field of Sensory Embedded Systems(Arduino) and IOT

Research experience:

- Sensor(RF,IR) based embedded system programming
- Launched machine learning model (Heart Disease Prediction model)with >90% accuracy

📁RELEVANT EXPERIENCE

Robotics Student Researcher, L-CAS(Lincoln Centre for Autonomous Systems), June 2022- Present

- Programmed MyCobot-280 robot with vision system enabling it to pick and place certain object fully autonomously
- Research: Learning from demonstration, Computer vision, ROS and Robot programming

Woman Techmakers Ambassador, Google, May 2022- Present

- Innovated sustainable cutting-edge ideas and trained people with technical support
- Teaching IoT and AI techs to people worldwide alongside learning the latest ones

Leaf morphology Annotator, University of Lincoln, June 2021- March 2022

- Adapted specific software skills for image annotation developed through independent task for the university and attained fast approaching deadlines with multi-tasking skills

Machine Operative, Nobel Food Ltd., March 2022- May 2022

- Administered machine performance, electrical fault detection, handling fragile goods, preparing charts and schedules managing a 10 person team with good delegation timing

Student Life Digital Content Creator, University of Lincoln November 2021-February 2022

- Excelled good writing quality and designing medias with Wordpress and MS office
- Achieved place in top 5 employees at performance and design

Contractual Lab Assistant, Currys, November 2021-December 2021

- Administered stuff localising, scanning Items, and data base entry
- Strengthened fault detection in PCBs working in line with mobile-robots

Think Pacific Intern, Think Pacific, Ecobrick.org, July 2021- October 2021

- Innovated creative green energy utilisation with basic electronics
- Implemented system and web designs, and deployed over web

✂ CODING and DIGITAL SKILLS

- Advanced Python, Advanced Matlab, Java, PLC programming
- Development with ROS, programmed embedded systems with RF,IR and smart sensors
- Implemented HTML, CSS, Javascript, Flask web-framework, MIT App Inventor, SPSS
- Mastered in Word press, Canva, Adobe photoshop, Windows video editor, MS Office
- Swift using apps(general and development) on Windows, Linux, Mac OS

OTHER EXPERIENCE

Enabler, UBU Health and Wellbeing, June 2022 -Present

- Managing vulnerable people enabling them get back to their community
- Teaching life skills, hosting group activities, diverse projects and mental health support

Lincoln Green Leader, Lincoln City foundation, May 2022-Dec-2022

- Innovated and designed eco-spaces with sustainable solutions for better environment

International Students' Ambassador, University of Lincoln, March 2021- March 2022

- Developed good communication skill, cross culture understanding, marketing skills and improved effective project management skills

Café service, Café Italino, December 2020-May 2021

- Mastered front-desk service, cash handling , detailed attention management

✂ ACHIEVEMENTS & AWARDS

- **Runner-up in L-CAS 2022 summer project**
- **Lincoln Award** recipient, **March 2022**
- [Research Paper](#) selected in **Lincoln Centre for Autonomous Systems conference, June 2021**
- **Lincoln Global Scholarship** to study Master's in the University
- **Silver Elite certificate** in **Remote sensing course** taken in IIT-R, June 2020

REFERENCES

References available on request