

# Ayandeep Kundu

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## ≡PROFILE

A University of Lincoln Computer Science graduate demonstrating high performance in academic studies and research. Significant experience in customer care, mental health, management and administrative fields alongside strong interpersonal-skills. Keen to use technical, analytical, and innovation skills within an Customer support/ 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 for weed detection and eradication
- "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

### **Research experience:**

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

## 📁 WORK HISTORY

**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 full-autonomously

**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

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

- Administred machine performance, electrical fault detection, handling fragile goods, preparing charts managing a 10 person team with good time management and task delegation across colleagues

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

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

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

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

#### **Health Carer, Trinity Care, March 2021- October 2021**

- Delivered empathic, quality customer assistance, delightful communication with fast hand
- Led team
- Mastered personal care and mode swing handling alongside building high-standard cleaning skills
- Reflected 360 independent services including mental support

#### **Contractual Lab Assistant, Currys, November 2021-December 2021**

- Administrated stuff localising, scanning Items, and data base entry
- Strengthened problem solving skills and outranked in fault detection in PCBs working in line with mobile-robots

#### **Think Pacific Intern, Fiji island, Ecobrick.org, July 2021- October 2021**

- Innovated diverse eco-brick uses in Fiji alongside a creative way to utilise green energy for communication and farming with basic electronics employing problem solving skills
- Implemented system and web designs, and deployed over web

### VOLUNTEERING

#### **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

#### **Shop Keeper, British Heart Foundation, March 2022- October 2022**

- Managed Front and Back-end operations besides Ebay selling and database management

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

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

#### **Café service, Café Italino, December 2020-May 2021**

- Mastered front-desk service, cash handling
- Demonstrated good attention to details management

### CODING and DIGITAL SKILLS

- Advanced Python, Advanced Matlab, Java, PLC programming
- 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

### ACHIEVEMENTS & AWARDS

- **Runner-up in L-CAS 2022 summer project**
- **Lincoln Award** recipient, **March 2022**
- [Research Paper](#) selected in **LCAS 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

**Both academic and industrial references available on request**