Rakshit Arora

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PROFILE

A Computer Science Placement student specializing in Artificial Intelligence with strong programming skills in Python and experience in database and designing software. Currently interning at Seagate Technology, I bring over 3 years of experience and a passion for AI/ML, showcased through badges in ML, AI Enthusiast, AI Researcher, and Software Developer. With excellent communication, interpersonal, and leadership skills, I am a highly motivated individual seeking opportunities as a Machine Learning Engineer/AI Researcher, eager to contribute to innovative projects in the field.

EDUCATION AND QUALIFICATIONS

University of Greenwich, London, United Kingdom – BSc (Hons) Computer Science (Artificial Intelligence) (1st Class Expected) **2021- 2025**

Modern Convent School, Delhi, India - All India Senior Secondary School Examination (97.8%) 2020-2021

Machine Learning Specialization Certificate, Stanford University Online, Deep Learning.AI

WORK EXPERIENCE

AI / ML Intern | Seagate Technology   Sept 2023 to August 2024

- Led the development of a specialized Speech to Text technology using transfer learning to handle unique industrial accents and terminologies, including the creation of an Android app and a Python Flask API for integration, and initiated a testing phase for product validation.
- Leading the development of a specialized Named Entity Recognition (NER) system. This initiative focuses on leveraging our extensive textual corpus to extract invaluable insights and enhance our analytical capabilities.
- Actively participated in learning and contributing to GenAI technology research, collaborating with data science teams to explore and advance diverse AI methodologies and applications.
- Collaborated on the Automation of the Material Deviation Authorization (MDA) process, proposing and implementing two key features for model enhancement and contributing to model training and deployment.
- Helped test the deployment of Private 5G Test Bed at Seagate technology in collaboration to Digital Catapult, a partner through Smart Nano NI Initiative

Digital Champions | University of Greenwich (Part-Time)   Dec 2021 to Aug 2023

- Assisted students with Microsoft Office 365, Adobe Cloud, and other university software through personalized appointments and drop-in sessions. Managed and designed content for social media campaigns, including the university's Academic Skills Hub's Instagram (@grelibraryit).
- Played a key role in planning and executing the Student Conference 2023, including leading a promotional pop-up stall. Delivered educational sessions on digital etiquette, LinkedIn Learning, and social media awareness. Supported major events like the International SHIFT Conference, Global English, and WinterFest, and conducted library tours for A-Level and college students.

Library & IT Support Assistant | University of Greenwich (Part-Time)   Sept 2022 to Aug 2023

- Provided in-person, telephonic, and remote assistance for library and IT-related queries, ensuring effective user support for a variety of technical issues.
- Maintained and supported an array of technical equipment (including PCs, iMacs, smartphones, and printers) and IT systems (like Microsoft 365, Moodle, and Turnitin), performed regular equipment checks, and efficiently handled query resolution using call logging software.

Publications

- Arora, Rakshit et. Al (2024), "Exploring the Potential of AI/ML Technologies in SMEs CRM and Marketing", ICACIA-24, Delhi (Under Publication)

- Arora, Rakshit and Heron, Marcus and Nagar, Abhishek (2024) "Application of Speech to Text Solutions for Manufacturing Environment with Industry Specific Lexicon", ICAAI-24, London (Under Publication)

TECHNICAL SKILLS

- Python
- Java
- R
- Hypothesis Testing
- Network Programming
- Microsoft Office 365 Applications
- Database Management Systems such as MySQL and SQLite
- Web Development
- Graphic Designing
- Video & Audio Editing

Languages – **English** (Professional Fluency); **Hindi** (Native)

PROJECTS

- **"Quiz Generating Software"** in Python and SQLite which generates a quiz picking random questions from the database also, we can add questions or modules and perform admin functions.
- **"Seven and a Half Computer Aided Solitaire"** using **Scheme** language and **Functional Programming** concepts as a part of University Coursework
- **'Mop O' Bot'**, a miniature robot designed to mop floors and **'Sand O' Bot'** to sharpen screwdriver tips as a prototype to scrape off paint from the walls to apply new coats
- **Autonomous Non-Falling Robotic Car with IR Sensors** for Autonomous Robotics Workshop
- Controlling the Direction of **Movement of a Toy Car using the Sound of a Clap** by installing a Sound Sensor
- **Software Engineering Project for "White Lotus Yoga Studio"**, a hypothetical case study as a part of University Coursework
- **Discord Bots** for hosting **Cryptic Hunt Event** as a part of Virtual IT Event and to moderate the gameplay of **Among Us** game
- **"Pizzeria Management System"**, a python console-based software which could be used to place orders and also perform admin roles and can be reprogrammed to suit the needs of any product-based outlets
- Designed an **Instagram Filter** for GREFest 2022 at the University of Greenwich
- Developed a **Reinforcement Learning Model** to play **Super Mario Bros** using PPO Algorithm and documented as a **Research Report** for Artificial Intelligence Module at the University

Achievements, Workshops and Activities

- Attended **Autonomous Robotics Workshop** organised at IIT Delhi, India as a part of Robothlon-2019, **Google DevFest UK and Ireland 2020**, Invited to the **EEMA Annual Conference 2022**

- Member of **Enactus Society**, **MUN Society**, **Sikh Society**, **Comptech Society**, **Secretary** for **Hindu Society** in University and elected as **Head Boy** in High School.

References Available on Request.