Syed Ali Hassan Kazmi

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EDUCATION

University of Engineering and Technology, Lahore — Lahore, Pakistan
*B.Sc. in Electrical and Electronics Engineering; **GPA: 2.82/4.00*** — *Oct 2018 – Aug 2022*
Majors in Computer Science

Government College University, Lahore — Lahore, Pakistan
*FSc. Pre-Engineering; **89.09%*** — *Sep 2015 – Jun 2017*

RESEARCH EXPERIENCE

University of Engineering and Technology, Lahore — Lahore. Pakistan
Natural Language Processing R&D Intern under Dr. Umar Rashid — *Sep 2021 – May 2022*
- Successfully applied transformers for various natural language processing (NLP) tasks, including named-entity recognition (NER), part-of-speech (POS) tagging, sentiment analysis, text classification, as well as extractive and generative question answering.

WORK EXPERIENCE

Techverx — Lahore. Pakistan
Software Engineer — *Aug 2022 – Present*
- Worked extensively on ReactJS, Bootstrap, RESTFUL web-services, HTML5, CSS3, JSON, Media queries for responsiveness.
- Using HTML5, CSS, ReactJS and Bootstrap to build a single page web app that communicates/work with RESTful API.
- Making pixel perfect UI using Material UI and Chakra UI.
- Implementing application test-ability, diagnostics and fixing bug with REDUX architecture.

Blue Sky Automation — Lahore, Pakistan
Machine Learning Intern — *Aug 2021 – Dec 2021*
- Assisted in developing and implementing machine learning models and algorithms.
- Collaborate with the team to preprocess and analyze large datasets to extract meaningful insights.
- Support the design and implementation of experiments to evaluate the performance of machine learning models.

AWARDS & ACHIEVEMENTS

Final Year Project Exhibition: Received appreciation from the governing committee for the best final year project.
Higher Education Commission (HEC) Scholarship: Awarded to undergraduate students who have displayed exceptional ability in academics as well as co-curricular activities.
IELTS : Overall Band: 7.5/9.0
St. Anthony's High School High Achievers Award: Graduated as the highest ranked student in my class.

PROJECTS

Automated Customer Support Chatbot using Machine Learning
- A python project which implements a variety of Implemented natural language understanding (NLU) and natural language generation (NLG) components to create interactive and intelligent chatbot experiences for customer support.

Hotel Management System
- A MySQL project which maintains a centralized database of guest information, including personal details, contact information, and preferences and enabling staff to easily retrieve guest information, track their stay history, and provide personalized services.
- The system keeps track of the hotel's room inventory, including room types, availability, and pricing. Staff can view room status, assign specific rooms to guests, and manage room allocations effectively.

Obstacle Avoiding Robot
- A robot which is equipped with various sensors, such as ultrasonic sensors, infrared sensors, or LiDAR (Light Detection and Ranging), to detect obstacles in its surroundings. These sensors provide input to the control system about the presence and proximity of obstacles.
- The project implements Arduino microcontroller which serves as the driving force for the robot. It receives input from the obstacle detection sensors and generates control signals to navigate the robot safely.

SKILLS

Programming: C, C++, JavaScript, TypeScript, Python, MATLAB, R, MySQL

Technologies: Git, Arduino, LTspice,

Languages: Urdu (Native), English (Professional)

RELEVANT COURSEWORK

Major coursework: Computer Networks, Calculus and Analytical Geometry, Linear Algebra, Differential Equations, Microprocessor Systems, Electrical Circuits I-II, Digital System Design, Numerical Methods, Applied Probability, Semi-Conductor Devices, Signals and Systems, Electromagnetic Theory, Control Systems, Analogue and Digital Communications

Minor coursework: Machine Learning, Database Engineering, Data Structures and Algorithms