"QUERYBOT" - Automating Google Search Results Using RPA

A PROJECT REPORT

Submitted by,

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In partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

(INTERNET OF THINGS)

AT

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNVIERSITY

BENGALURU

JANUARY 2025

PRESIDENCY UNIVERSITY
SCHOOL OF COMPUTER SCIENCE ENGINEERING
CERTIFICATE

This is to certify that the University project report titled **"QueryBot-Automating Google Search Results using RPA"** being submitted by "Uluva Anji, Shaik Sadhik, Chamantula Hemanth" bearing roll number "20211CIT0036, 20211CIT0167, 20211CIT0192" in partial fulfilment of requirement for the award of degree of Bachelor of Computer Application is a bona-fide work carried out under supervision

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DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **"QUERY BOT -AUTOMATING GOOGLE SEARCH RESULTS USING RPA"** in partial fulfilment for the award of **Bachelor of Technology** in **Computer Science and Engineering in IOT**, is a record of our own investigations carried under the guidance of **Ms Sterlin Minish T N**, Assistant Professor, School of Computer Science and Engineering, Presidency University, Bengaluru.

We have not submitted the matter presented in this report anywhere for the award of any Degree.

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ABSTRACT

Navigating Google search results for relevant information can be cumbersome and time-consuming. QueryBot, a Web App Automation, addresses the inefficiency of navigating unstructured Google search results by leveraging Robotic Process Automation (RPA). It aims to transform the way search engine results are displayed and interpreted. This analysis explores how QueryBot can optimally deliver results in a preferred and easily interpretable format through quantitative assessments. The proposed solution streamlines data retrieval by transforming scattered web links into well-organized cards, reducing manual effort and saving time. The web app focuses on enhancing readability and visual appeal by utilizing contemporary tech stacks tailored to end-user needs. Built using Python frameworks, including Selenium for automation and Flask for the user interface, the system processes and organizes search data into concise cards featuring metadata and images. This approach highlights RPA's role in bridging the gap between raw data and user-friendly presentation, paving the way for seamless access to information. Studies indicate that 34% of all Google searches do not lead to any clicks, meaning users often struggle to find relevant information directly on the results page, requiring additional effort to navigate links or refine queries. Furthermore, only 0.78% of users tend to check results on the second page of Google, illustrating the challenges in finding specific or detailed information using current search methods. These changes should help improve the overall readability and professionalism of your abstract.