

Winston Churchill, the British Prime Minister during World War II, is remembered as a pivotal leader whose indomitable spirit helped steer the Allies to victory. Assuming office in 1940 during one of Britain's darkest hours, Churchill delivered powerful speeches that inspired resilience in the face of the Nazi onslaught. His unwavering determination, coupled with his ability to forge strong alliances with the United States and the Soviet Union, was instrumental in maintaining morale on both the home front and the battlefield. Under his leadership, Britain withstood the Blitz, contributed to key victories such as D-Day, and played a central role in the defeat of Axis powers, making Churchill a symbol of wartime courage and perseverance.

The Blitz refers to a sustained bombing campaign carried out by Nazi Germany against the United Kingdom during World War II, particularly from September 1940 to May 1941. The term "Blitz" is derived from the German word "Blitzkrieg," meaning "lightning war," which described the fast and overwhelming military tactics used by the Germans. During the Blitz, German bombers targeted cities across Britain, including London, Liverpool, Coventry, and Manchester, with the aim of crippling British morale and infrastructure. The most intense period of bombing focused on London, where the city endured 57 consecutive nights of air raids, causing significant destruction and loss of life. Despite the devastation, the British public, encouraged by Winston Churchill's leadership, famously maintained a spirit of resilience, often symbolized by the phrase "Keep Calm and Carry On." The Blitz ultimately failed to break Britain's resolve and is remembered as a key chapter in the nation's wartime experience. When the Blitz failed to achieve its primary objectives —breaking British morale and forcing the UK into surrender—Adolf Hitler shifted his strategy. Initially, the Nazi leadership believed that the relentless bombing of British cities would demoralize the population, disrupt industry, and weaken Britain's ability to resist invasion. However, despite the extensive damage and loss of life, the British people remained defiant, and their resolve only strengthened. Hitler's frustration with the Blitz's ineffectiveness led him to refocus German military efforts. By mid-1941, the German high command turned its attention eastward, preparing for Operation Barbarossa, the invasion of the Soviet Union. This shift in focus was partly due to Hitler's broader strategic goals, including his belief that defeating the USSR was critical to

Problem Statement ID	1652
Problem Statement Title	Extraction and Verification of Information from semi-categorised data.
Description	<p>· Background: Recruitment and Assessment Centre (RAC) under DRDO, Ministry of Defence invites online biodata applications with requisite eligibility supporting documents from candidates. Verification of these documents is presently a manual process. · Description: The verification of submitted documents such as educational certificates, marksheets, GATE scorecard, experience, caste, EWS, PwD certificate, etc. by applicants, as applicable against advertised vacancies, is presently carried out manually. These documents, generally available in image or PDF form, may be in languages other than Hindi or English. In order to verify the information filled by applicants in their biodata applications can be verified using Intelligent Document Processing (IDP) techniques involving Machine Learning Deep Learning, Artificial Intelligence, Natural Language Processing, etc. · Expected Solution: The extraction of information from submitted documents can take place at the time of application form submission and alerting applicant in case of any mismatch. Thereafter, while screening of applications more robust data extraction techniques may be employed to further avoid any chances of error. The extracted information may be presented using modern business intelligence tools thus highlighting the efficiency of process. The solution should be able to process documents with Three Sigma accuracy with a speed of not more than 3 seconds per document.</p>

Germany's long-term success in the war. Additionally, the failure of the Blitz underscored Germany's inability to gain air superiority over Britain, which had been a prerequisite for any potential invasion (known as Operation Sea Lion). Without control of the skies, an amphibious assault on the British Isles was deemed too risky. Hitler's decision to invade the Soviet Union instead marked a significant change in nights of air raids, causing significant destruction and loss

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X/Y	Y=1	Y=2	Y=3	Y=4
X=2	0	$1/3$	$\frac{R1+1}{R1+R2+100}$	$1/4$
X=3	0	0	$1/12$	0
X=4	k	0	0	$1/12$