



FINAL YEAR PROJECT REPORT

**SMART RESUME PARSER:
AUTOMATED RESUME SCREENING AND
ANALYSIS SYSTEM**

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

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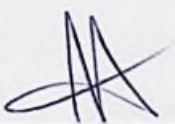
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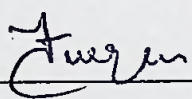
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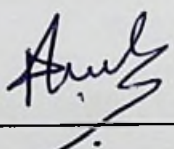
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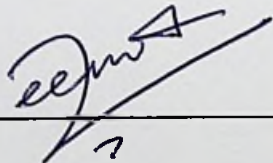
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APPROVAL FOR SUBMISSION

We certify that this project report entitled **“SMART RESUME PARSER: AUTOMATED RESUME SCREENING AND ANALYSIS SYSTEM”** was prepared by **Maaz Ahmed, Muhammad Furqan, Abdul Mueed Paracha** has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of Science in Computer Science at Bahria University, Karachi.

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SMART RESUME PARSER: AUTOMATED RESUME SCREENING AND ANALYSIS SYSTEM

ABSTRACT

Recruiters, however, have to spend many hours manually screening resumes of hundreds of candidates for each hiring process because the competitive job market demands it. There is no good resume screening system that goes through job requirements and therefore a waste of opportunities between job seekers and employers.

The project that I would like to present is Smart Resume Parser: Automated Resume Screening and Analysis System, which is a smart solution for optimizing the hiring process. The system automatically extracts key information from resume (skills, experience and education) and use such information to evaluate advanced algorithms against job descriptions. Once the system is decently objective and efficient, it gives the recruiters ranked candidate profiles to evaluate.

The system has three functions including keyword matching, skill gap analysis, and user enabled filtering tools, and it generates the most appropriate candidate pool. Speeding up the recruiting process and getting candidate assessment right, so the hiring happens fairly and with the help of data, is the result of the automation in Smart Resume Parser. The project purpose is to speed up and smart talent acquisition approach and offer higher efficiency to organizations of any size.

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