Project Initialization and Planning Phase

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| Date | 15 March 2024 |
| Team ID |  |
| Project Title | ATS Resume Tracker |
| Maximum Marks | 3 Marks |

**Project Proposal (Proposed Solution) report**

CareerCraft is a free, advanced ATS-optimized resume analyzer designed to provide comprehensive insights into resume compatibility with job descriptions. Users can upload their resumes in PDF format, and the tool will analyze the content against the job description, highlighting the percentage match, missing keywords, and providing a profile summary. CareerCraft leverages advanced ATS technology for real-time data tracking, detailed reports, and data visualization. It ensures user privacy by anonymizing data in compliance with GDPR regulations. This solution aims to empower job seekers with valuable insights, personalized recommendations, and career progression guidance, offering a scalable and accessible alternative to expensive subscription-based services.

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| **Project Overview** | |
| Objective | Develop CareerCraft, a free and advanced ATS-optimized resume analyzer, to provide comprehensive insights into resume compatibility with job descriptions. Empower job seekers with real-time data tracking, detailed reports, and personalized recommendations without the need for paid subscriptions. Ensure user privacy through data anonymization, offering an accessible and scalable alternative to expensive analytics services. |
| Scope | CareerCraft will be a free ATS-optimized resume analyzer providing detailed insights into resume compatibility with job descriptions. It will include real-time data tracking, personalized recommendations, and GDPR-compliant data privacy. The tool will feature a user-friendly interface, scalable performance, and support integration with various platforms. |
| **Problem Statement** | |
| Description | CareerCraft is a free ATS-optimized resume analyzer that offers detailed compatibility insights, personalized recommendations, and data privacy to enhance job seekers' resumes. |
| Impact | CareerCraft will empower job seekers by providing free, detailed resume analysis and personalized recommendations, improving their chances of securing job interviews. |
| **Proposed Solution** | |
| Approach | CareerCraft employs advanced algorithms to analyze resumes against job descriptions, providing real-time insights and personalized recommendations to optimize job applications. |
| Key Features | CareerCraft’s key feature is its advanced resume analysis algorithm that leverages machine learning to assess and optimize resume compatibility with job descriptions. |

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|  | * Real-time decision-making for quicker loan approvals. * Continuous learning to adapt to evolving financial landscapes. |

**Resource Requirements**

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| **Resource Type** | **Description** | **Specification/Allocation** |
| **Hardware** | | |
| Computing Resources | CPU/GPU specifications, number of cores | T4 GPU |
| Memory | RAM specifications | 8 GB |
| Storage | Disk space for data, models, and logs | 1 TB SSD |
| **Software** | | |
| Frameworks | Python frameworks | Flask |
| Libraries | Additional libraries | scikit-learn, pandas, numpy, matplotlib, seaborn |
| Development Environment | IDE | Jupyter Notebook, pycharm |
| **Data** | | |
| Data | Source, size, format | Kaggle dataset, 614, csv UCI dataset, 690, csv |