Personality

By Suraj and Sarji

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# **Content**

[**Content 2**](#_nwrssctx6wdd)

[Introduction 3](#_mviahs46grrn)

[Team Name 3](#_4n0ewxui37qa)

[Proposed Level of Achievement 3](#_af8pdlabf1yg)

[Motivation 3](#_2b8zt870m8kg)

[Aim 4](#_usfjcys7bvd9)

[User Stories 4](#_3v3dp5x3mp5z)

[**Features 5**](#_vr5khocgee1u)

[Tech Stack 5](#_mmv9qef570dg)

[**Software Engineering Practices 6**](#_8xhe69mrguah)

[**Software Engineering Principles 6**](#_w9jxqi2s1rhc)

[**Testing 6**](#_y3ddanh26xw6)

[Regression Testing 6](#_8sw8zob56gze)

[System Testing 6](#_g2jac9rovpd2)

[Compatibility/Portability Testing 6](#_vuy74u8xy2u1)

[Exception Handling 6](#_3j5a5lqaqkll)

[Performance Testing 7](#_q5he7dbm5muk)

[Reliability Testing 7](#_84zqf92viy3k)

[**Future Expansion 7**](#_e7p3bka32jsm)

[**Timeline 7**](#_pmochgxbocyy)

[**Qualification 7**](#_6vpejzi9dh78)

[**Prototype 7**](#_u2le84dsfi74)

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# **Introduction**

## Team Name

Personality

## Proposed Level of Achievement

Apollo 11

## Motivation

Recently, the concept of personal branding has gained significant importance, especially in seeking employment or educational opportunities. With intense competition for limited positions, it has become crucial for individuals to distinguish themselves from other applicants to secure their desired outcome. However, most individuals rely on conventional platforms such as LinkedIn or resume templates, resulting in homogenised profiles that fail to stand out.

This overall similarity in resumes and profiles has reached a point where it poses a significant challenge for individuals seeking employment or educational opportunities. They are forced to apply to many positions, often resulting in rejections due to the inability to differentiate themselves from other applicants. This approach leads to frustration and failure to achieve desired goals.

To overcome this challenge, creating a unique profile that stands out from the crowd is essential. A customised profile design that showcases an individual's strengths, achievements, and personality traits can significantly enhance their chances of success. By leveraging a unique personal brand, individuals can differentiate themselves and attract the attention of potential employers or educational institutions.

In conclusion, in the highly competitive job and education market, developing a distinct personal brand that sets individuals apart from the rest is crucial. By investing in a unique profile design, individuals can enhance their chances of success and secure their desired opportunities.

## 

## Aim

We aim to develop an innovative platform enabling individuals to create personalised web pages and resumes. This initiative will give users a unique opportunity to showcase their skills, achievements, and personal brand in a distinct manner, setting them apart from others.

Our platform will offer an intuitive interface that is easy to use, with customisable templates and designs that allow users to create their web pages and resumes quickly. Additionally, we plan to introduce a Telegram bot that will enable users to quickly search and find the profiles of others, making the process more efficient and user-friendly.

Our vision is to empower individuals to present themselves uniquely and compellingly, enhancing their chances of success in securing their desired opportunities. By offering a platform for personalisation and differentiation, we seek to revolutionise the traditional approach to the job and educational applications.

In conclusion, we are committed to developing a cutting-edge platform to provide individuals with the tools and resources to create personalised web pages and resumes. This initiative will transform how people approach jobs and educational opportunities, enabling them to stand out in a crowded and competitive landscape.

## User Stories

1. As a student seeking internships or job opportunities, I aim to create a unique and distinctive resume that can set me apart from other applicants.
2. As a professor responsible for awarding scholarships, I must gather comprehensive information on students to make informed decisions and ensure that the most deserving candidate is selected.
3. As a potential employer who wants to learn more about the applicant before offering them the internship or job, I want to find the applicant who best fits the job.
4. As a University Admissions officer, I need to assess student qualifications and suitability for scholarships to make informed decisions on admissions and ensure the most deserving candidates are selected.
5. As an administrator responsible for system integrity, I must implement measures to identify and deter abusers, including warning and banning users who falsify information or cause problems on the platform.

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# **Features**

Feature 1: The Telegram bot will offer users the convenience of searching and accessing portfolios or resumes of other users swiftly via mobile devices instead of solely relying on laptops or desktops. (Will be completed in Milestone 2)

Feature 2: The website will integrate with the Telegram Bot, sharing a centralised database to provide users with a comprehensive set of resources, including customisable templates, design options, and other tools that enable the creation of unique and professional resumes.

Feature 3: Different types of users from students, employers and schools can have their own account to use for their own purposes (Will be completed in Milestone 3)

## Tech Stack

| Utilisation | Tech Stack |
| --- | --- |
| Website | React |
| CSS |
| HTML |
| JavaScript |
| MySQL |
| Node.js |
| Telegram Bot | Telegram bot API |
| Python |
| PostgreSQL |
| CI/CD | Github |
| Database | MySQL |

# **Software Engineering Practices**

**Separation of Components**

In our web app, we have decided to separate the various components such as Navbar, Login, Register, About, and the Main page using different JavaScript files. This leads to better readability of code and makes it easier to resolve a problem in a specific part of the web app.

**Version Control**

We used GitHub for our remote repository and version control. We were able to use VSCode to clone a branch, modify the files, create a new branch, and commit the modified files into the newly created branch. This makes collaboration more effective.

**Code Documentation**

We used comments to detail what our specific parts of our code means and what their purposes are. This is in line with what we learned in CS2030S.

# **Software Engineering Principles**

As we are not yet fully educated on Software Engineering Principles, we plan to fill up this section fully during Milestone 2.

**Abstraction Principle**

Note that the Navbar has been abstracted so it does not have to be hard-coded in each JavaScript file in /src folder.

**Interface Segregation Principle**

Note that none of the JavaScript and CSS files rely on unused functions. This ensures that each of them will not have access to additional functions that are not relevant for the function of that component.

# **Testing**

## Regression Testing

We plan to conduct Regression Testing for milestone 2 and 3 through reviewing our code on Github as well as branching to ensure the main branch only contains quality-code. Although some Regression Testing was done for Milestone 1, we did not do it as well as hoped and plan to ensure it is done in a more thorough manner for Milestone 2 and 3.

## **System Testing**

### **Compatibility/Portability Testing**

[Milestone 2]

We plan to export our website to different platforms and devices to ensure they work as expected.

### **Exception Handling**

We will include Exception handling as part of Milestone 2 and 3

### **Performance Testing**

We will include Performance Testing as part of Milestone 2 and 3.

### **Reliability Testing**

We will include Reliability Testing as part of Milestone 2 and 3.

## **Alpha Testing (User Testing)**

[MIlestone 2]

We will conduct User Testing for Milestone 2 and 3.

## **Integration Testing**

### **Continuous Integration**

[Milestone 2 ]

We conduct tests from Milestone 2 onwards.

### **Continuous Deployment**

[Milestone 2]

We will conduct these tests from Milestone 2 onwards.

# **Future Expansion**

| Idea | Description |
| --- | --- |
| Feedback Feature to the Telegram Bot | We can add a comment section to allow users to comment on each other’s resumes through a Telegram message. |
| AI-driven analysis | We can include AI to analyse existing resumes to help user learn how to improve it. |

# **Timeline**

| Milestone | Tasks | Description | In-Charge | Date | Status |
| --- | --- | --- | --- | --- | --- |
| 1 | Basic Website Template | Basic design of website | Suraj | 13-28 May 2023 | Completed |
| Login and Register pages | Functional Login and Register page. | Suraj | 13-28 May 2023 | Completed |
| Backend for Login and Register Pages | Create a database to store login and registration information | Sarji | 13-28 May 2023 | Delayed\* |
| **Evaluation Milestone 1:**   * Ideation * Proof-of-concept   + Basic Website interface and design created   + Login and Register functions created   + Databases to store information created | | | | 28 May 2023 |  |
| 2 | FAQ Webpage | Create a webpage that answers FAQ | Suraj | 30 May 2023 - 15 June 2023 |  |
| Resume creator | Create a page that offers you resumes templates to download and use. | Suraj | 30 May 2023 - 15 June 2023 | Start date not reached |
| Forum | Create a forum to ask questions | Sarji | 30 May 2023 - 25 June 2023 |  |
| Resume Storage | Upload and store completed Resumes in their account | Sarji | 30 May 2023 - 15 June 2023 | Start date not reached |
| Admin page | Admin page | Both | 30 May 2023 - 25 June 2023 | Start date not reached |
| Telegram Bot | Create a Telegram bot that can handle search queries to find resumes | Both | 16- 25 June 2023 | Start date not reached |
| Evaluation of Milestone 2:   * Implement the prototype of the system * Perform system testing | | | |  |  |
| 3 | Different types of accounts | Create Accounts for different types of users such as employers and schools | Suraj | 26 June 2023 - 23 July 2023 | Start date not reached |
|  | Forum | Create a forum to ask questions | Sarji | 26 June 2023 - 23 July 2023 | Start date not reached |

# **Qualification**

Suraj: I possess some experience in developing web applications using Django, Python, HTML, and CSS, and I have also demonstrated my skills in a competitive setting by being a finalist in a Hackathon. As a member of a four-person team, we successfully developed a website that boosts information transparency and strengthens network effects by displaying project connections in an open and trustworthy manner. This project aims to promote forming new partnerships and resource pooling. This highlights my ability to create practical solutions that meet specific needs.

Sarji: I have experience in web development, specifically in HTML and CSS, and I am currently learning Java while having prior knowledge of Python. I have an excellent academic record, achieving an A in the CS1101S: Programming Methodology course during Semester 1. Moreover, I am a three-time participant in the International Mathematical Olympiad, winning a bronze medal, and have been inspired by my competitive programming teammates to pursue a career in software development. My experience with CS1101S has honed my ability to assimilate programming concepts quickly. Working on this project will give me valuable skills to obtain a job in the tech industry.

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# **Prototype**

| Types | Links |
| --- | --- |
| Video | <https://drive.google.com/file/d/1KZZUcnBhz8poLtidM7d9PPH5tngzqsnU/view?usp=sharing> |
| Poster | <https://drive.google.com/file/d/1PZIRub-Bdgyc7Tzghipn_JiU5EFscsYb/view?usp=sharing> |
| Github | Currently Private |

# End

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