

# A PROJECT ON Biography on Svante Pääbo

*HTML5 | 18TH JUNE 2023*

**DONE BY:**

,

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**Date of issue:**

18<sup>TH</sup> MAY 2023

# **CERTIFICATION**

This is to certify that this project “Svante Pääbo’s biography” was carried out by Mr. SAMUEL AFAMEFUNA AKABOGU, Mr. OFILIGONACHUKWU MOMIFE, and Miss. HODOVAI EGBE EBOH.

II.

## **ACKNOWLEDGEMENTS**

I will like to acknowledge all those who have given support and helped make this project a success I also wish to express gratitude to my faculty Mr. JEDIDIAH OTOM for his valuable guidance and support for the completion of this project I finally would like to thank my colleague for the valuable roles they played to make the completion of this project a success.

III.

## ***ABSTRACT***

Svante Pääbo's biography is a website that provides information about the awards won, honors, selected works and early life. It includes documentation of the following;

- Early life
- Research and Career
- Honors and Awards
- Gallery

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## **CHAPTER ONE:**

### *INTRODUCTION*

#### ***1.1 Background to Study***

Svaante Pääbo is a Swedish geneticist and Nobel laureate who specializes in the field of evolutionary genetics. As one of the founders of paleogenetics, he has worked extensively on the Neanderthal genome. This website provides information about Svaante paabo's background, books he wrote and Awards.

## **1.2 STATEMENT OF PROBLEM**

A biography is a detailed description of a person's life. It involves more than just the basic facts like education, work, relationships, and death; it portrays a person's experience of these life events. A biography presents a subject's life story, highlighting various aspects of their life, including intimate details of experience, and may include an analysis of the subject's personality.

We create a website with the below mentioned requirement specifications.

The website is to be developed for the Windows Platform using HTML5, JavaScript, JSON, Angular js and geolocation. The site should work well in all leading browsers including Chrome, IE, and Firefox etc.

### **1.3 Aim and Objectives**

*Our Aim* is to create a website about Svaante Pääbo with the following **objective**;

- 1) The Home Page a suitable logo.
- 2) The site must be divided into various sections viz,early life,research,awards and honors,selected works,references etc.
- 3) The site should include the complete personal details about the respective person.
- 4) Users should also be able to get the glimpse of education and carrier.
- 5) There should be a career graph and struggle of the person.
- 6) One should be able to get to know the complete details about the achievements.
- 7) There should be a section that includes the details specifying research/experiments for which the nobel prize was awarded.
- 8) There should be a section where one can get to know the available books related to him/her
- 9) Gallery with various images of the personality should be added.
- 10) Site map should be provided in the webpage.



#### ***1.4 Scope of the Study***

Using the following language HTML, CSS AND Java script we have been able to design and limited ourselves to the in depth explanation of Svaante Pääbo (the awards won, early life, struggles, educational background etc).

## **CHAPTER TWO:**

### *Analysis and Design*

#### ***2.1 What is Analysis and Design?***

##### ***Analysis***

It is the process of collecting and interpreting facts, identifying the problems, and decomposition of a system.

The Site should have the following:

- Display a continuous scrolling ticker at the bottom of the page with current date,time and location
- Display a visitor count at the top right corner of the page beside a logo image
- The menu options should change color on hover and also after clicking.
- Fade in and fade out options can be used for menus.

## **CHAPTER THREE:**

### *IMPLEMENTATION*

#### ***3.1 System Requirement***

The requirements needed for the program to run are:

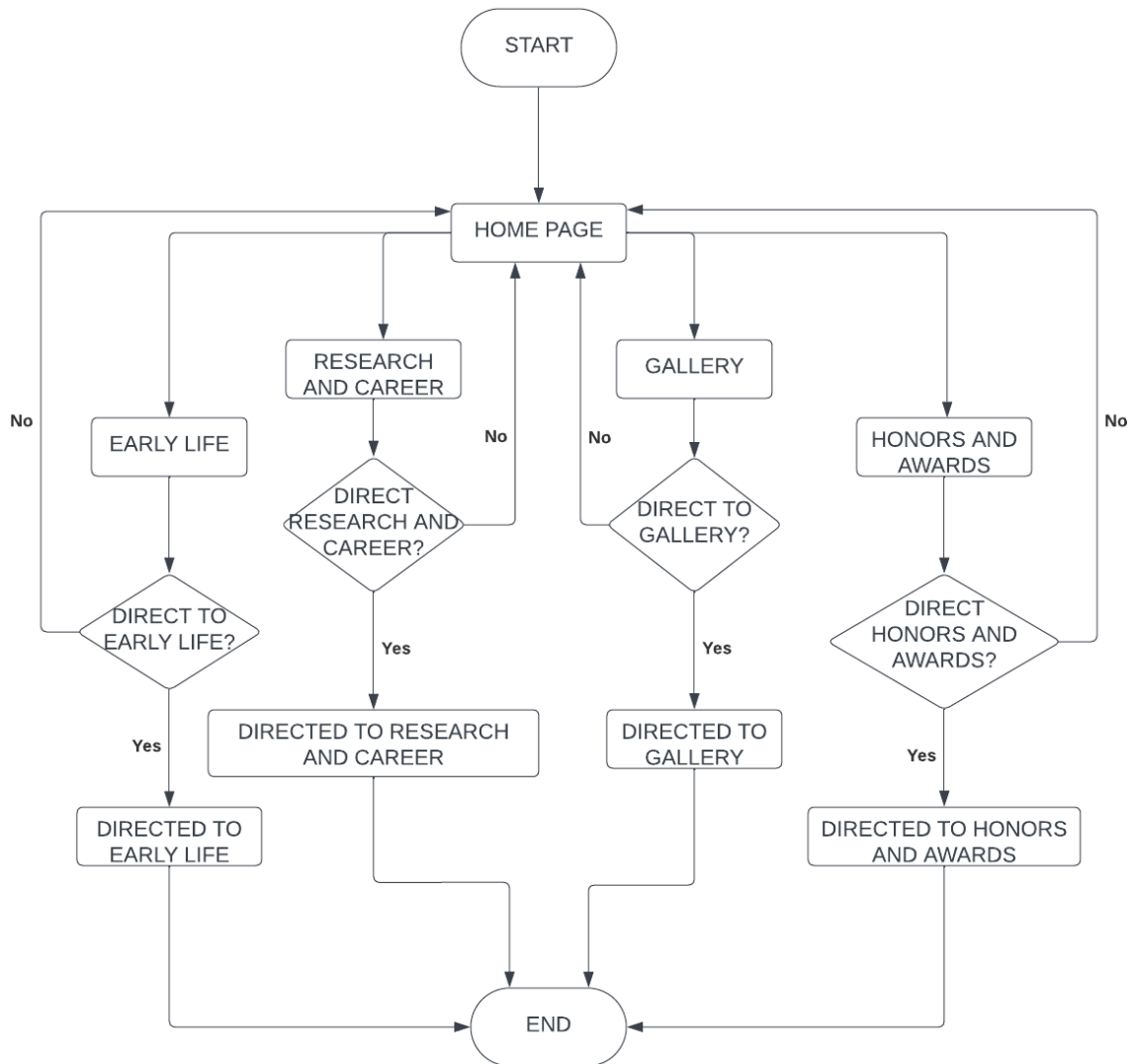
##### **Hardware**

- Intel core i3/i5 Processor or higher
- 8 GB RAM or above
- Color SVGA
- 500 GB Hard Disk space
- Mouse
- Keyboard

##### **Software**

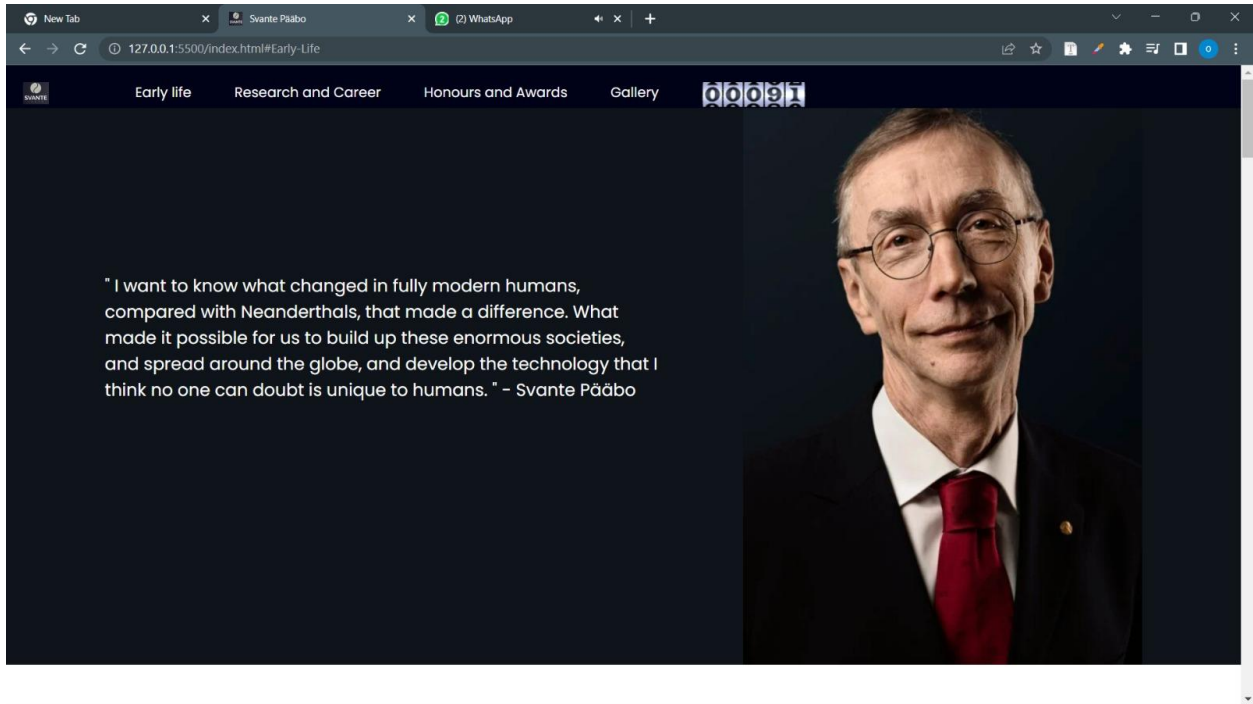
- FRONTEND:HTML5, CSS,Bootstrap,Javascript,jQuery,Angularjs,XML
- Data Store:JSON files or TXT files

### 3.2 FLOWCHART

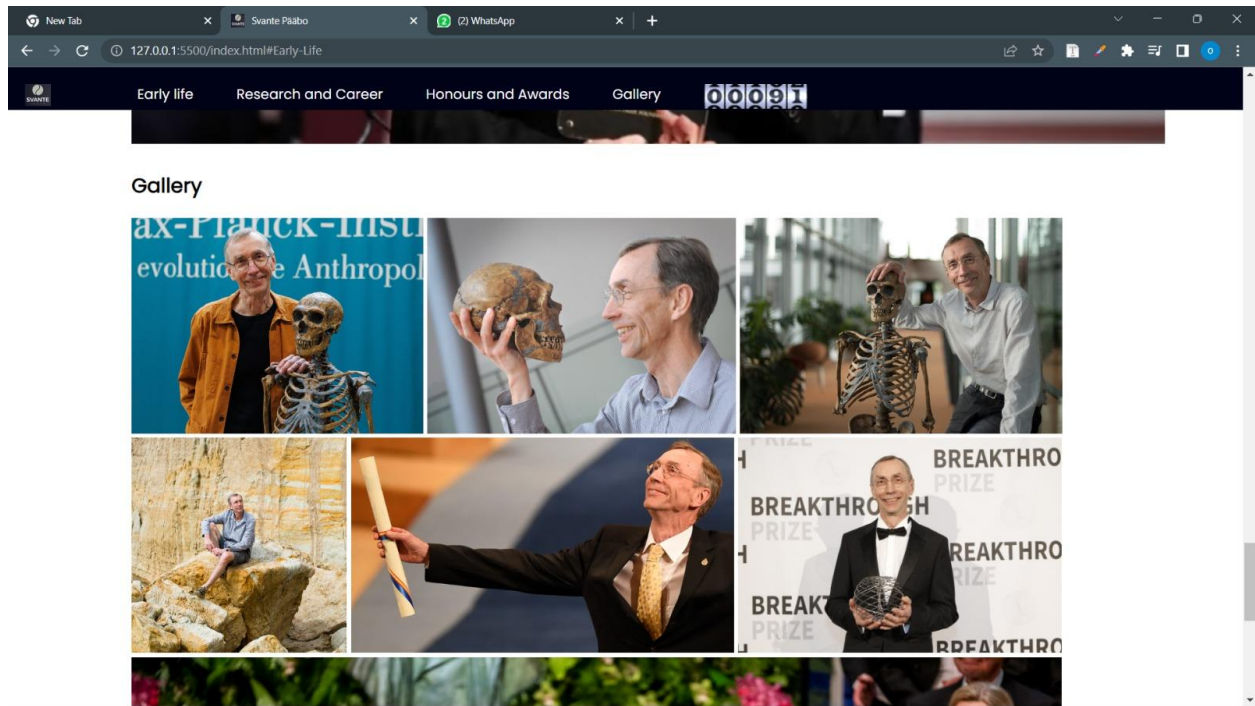


### 3.2 SRCEENSHOTS

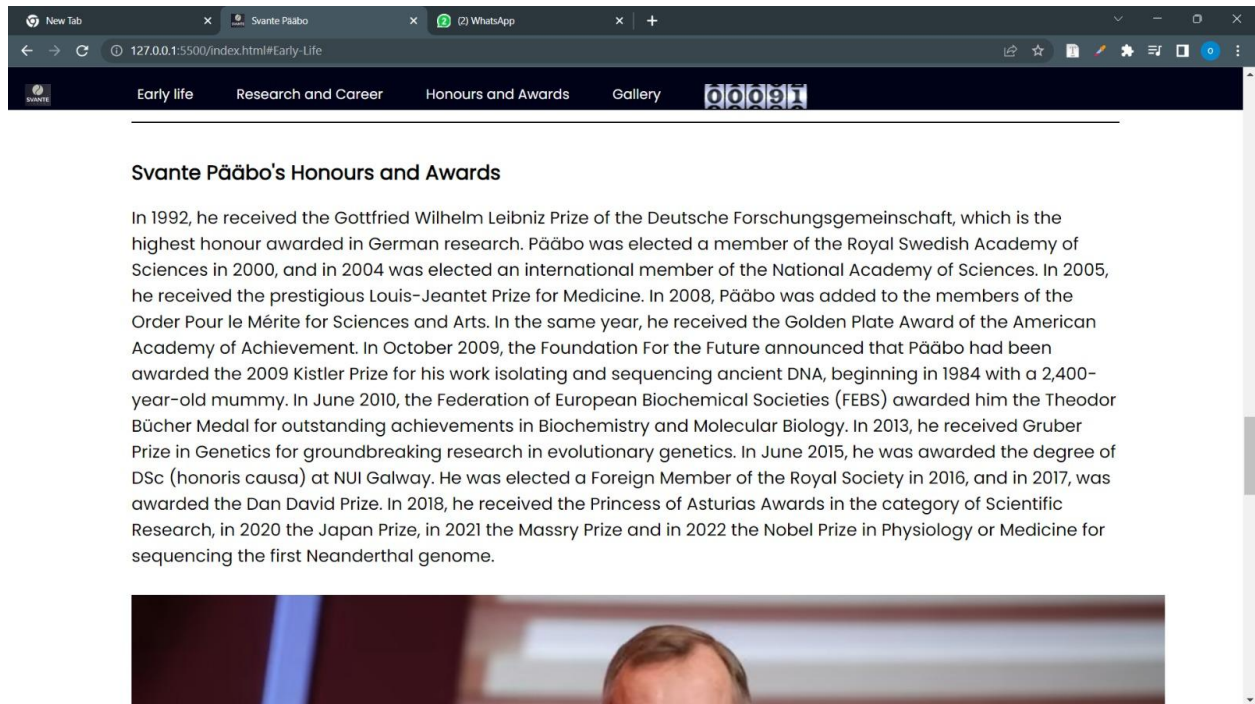
Home Page and Nav bar:



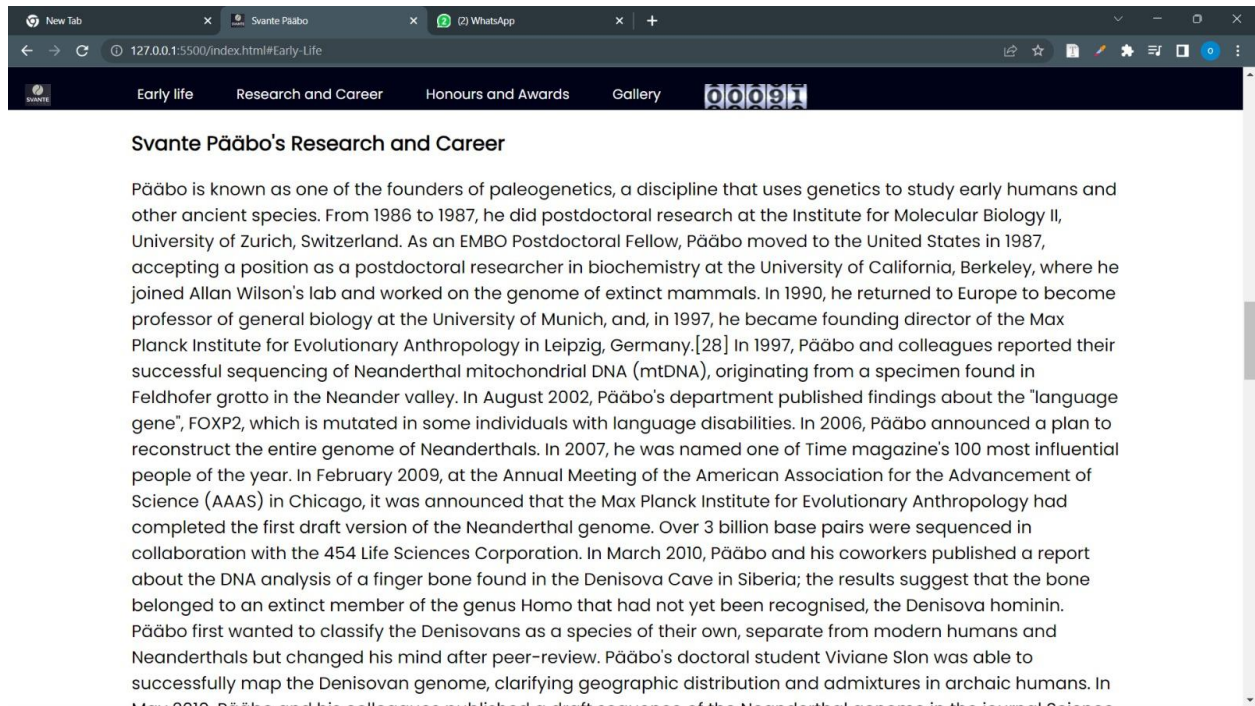
This is a screenshot of the homepage navigation bar



Screenshot of the gallery page



Screenshot of the Honors and Awards page



Screenshot of the research and career page



New TabSvante Pääbo(2) WhatsApp

127.0.0.1:5500/index.html#Early-Life


Svante

Early lifeResearch and CareerHonours and AwardsGallery

00091

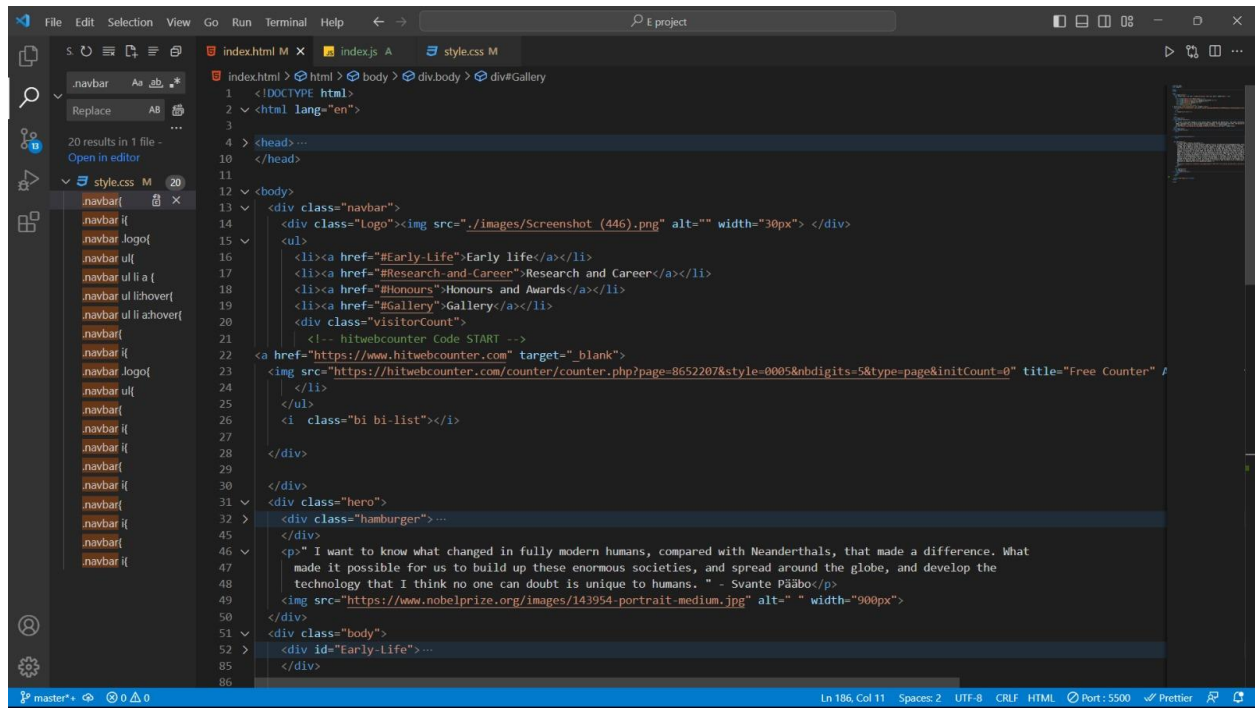
### Svante Pääbo's Early Life

During his childhood in Sweden, Svante Pääbo developed a fascination with archeology, which only deepened after his mother, a chemist, took him to Egypt when he was 13. He wanted to be like Indiana Jones, discovering mummies and other ancient hidden treasures. "I had a very romantic idea of what archeology was," he recalls. "But when I got to [Uppsala] University and started studying it, I found it wasn't quite as romantic as I had imagined." Pääbo switched from archeology to medicine, influenced, he says, by his father, the Nobel Prize-winning biochemist Sune Bergström. "At that time, if you were in Sweden and interested in basic biological research, you went to medical school," says Pääbo. He enjoyed clinical medicine, but turned from his medical studies in 1981 to do doctoral research on adenoviruses and their interaction with the immune system. Yet he still had



Svante Pääbo

Screenshot of the Early life page



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>...
10 </head>
11
12 <body>
13 <div class="navbar">
14 <div class="logo"> </div>
15 <ul>
16 <li><a href="#Early-Life">Early life</a></li>
17 <li><a href="#Research-and-Career">Research and Career</a></li>
18 <li><a href="#Honours">Honours and Awards</a></li>
19 <li><a href="#Gallery">Gallery</a></li>
20 <div class="visitorCount">
21 <!-- hitwebcounter Code START -->
22 <a href="https://www.hitwebcounter.com" target="_blank">
23 
25 </ul>
26 <i class="bi bi-list"></i>
27
28 </div>
29
30 </div>
31 <div class="hero">
32 <div class="hamburger">...
45 </div>
46 <p>" I want to know what changed in fully modern humans, compared with Neanderthals, that made a difference. What
47 made it possible for us to build up these enormous societies, and spread around the globe, and develop the
48 technology that I think no one can doubt is unique to humans. " - Svante Pääbo</p>
49 
50 </div>
51 <div class="body">
52 <div id="Early-Life">...
85 </div>
86
```

Screenshot of the source page

### **3.3 USERGUIDE**

Svaante Pääbo

#### TABLE OF CONTENTS

- Navigation
- Links

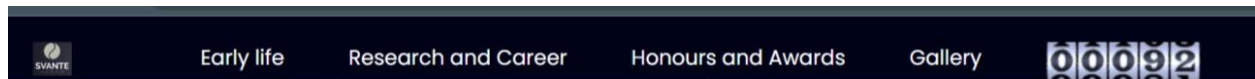
## NAVIGATION

It contains the navigation menu.

It includes:

- HOME
- GALLERY
- RESEARCH AND CAREER
- EARLY LIFE
- HONORS AND AWARDS

## NAV MENU



## LINKS

### EARLY LIFE

The early life links contains Svaante Pääbo's background and childhood


New Tab x Svante Pääbo x (2) WhatsApp x +

127.0.0.1:5500/index.html#Early-Life

Early life Research and Career Honours and Awards Gallery 00091

### Svante Pääbo's Early Life

During his childhood in Sweden, Svante Pääbo developed a fascination with archeology, which only deepened after his mother, a chemist, took him to Egypt when he was 13. He wanted to be like Indiana Jones, discovering mummies and other ancient hidden treasures. "I had a very romantic idea of what archeology was," he recalls. "But when I got to [Uppsala] University and started studying it, I found it wasn't quite as romantic as I had imagined." Pääbo switched from archeology to medicine, influenced, he says, by his father, the Nobel Prize-winning biochemist Sune Bergström. "At that time, if you were in Sweden and interested in basic biological research, you went to medical school," says Pääbo. He enjoyed clinical medicine, but turned from his medical studies in 1981 to do doctoral research on adenoviruses and their interaction with the immune system. Yet he still had



## RESEARCH AND CAREER

The Research and Career link contains Svaante Pääbo's discovery and researches throughout his career

New Tab x Svante Pääbo x (2) WhatsApp x +

127.0.0.1:5500/index.html#Early-Life

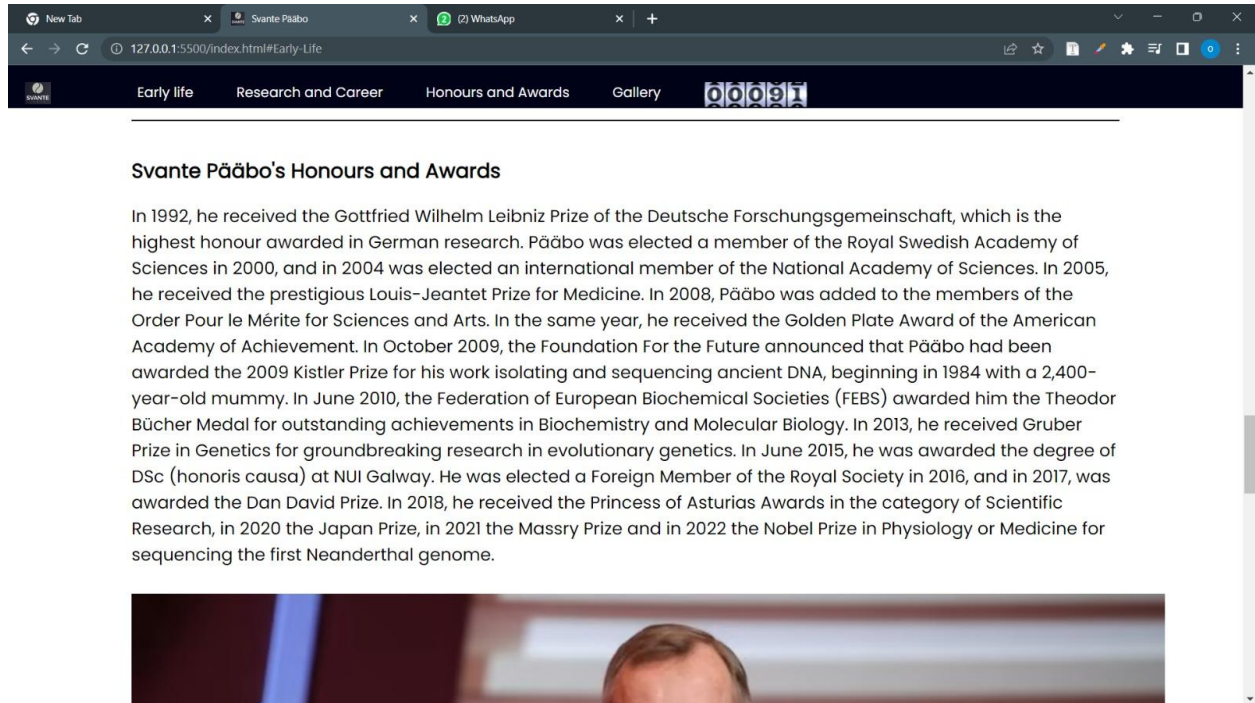
Early life Research and Career Honours and Awards Gallery 00091

### Svante Pääbo's Research and Career

Pääbo is known as one of the founders of paleogenetics, a discipline that uses genetics to study early humans and other ancient species. From 1986 to 1987, he did postdoctoral research at the Institute for Molecular Biology II, University of Zurich, Switzerland. As an EMBO Postdoctoral Fellow, Pääbo moved to the United States in 1987, accepting a position as a postdoctoral researcher in biochemistry at the University of California, Berkeley, where he joined Allan Wilson's lab and worked on the genome of extinct mammals. In 1990, he returned to Europe to become professor of general biology at the University of Munich, and, in 1997, he became founding director of the Max Planck Institute for Evolutionary Anthropology in Leipzig, Germany.[28] In 1997, Pääbo and colleagues reported their successful sequencing of Neanderthal mitochondrial DNA (mtDNA), originating from a specimen found in Feldhofer grotto in the Neander valley. In August 2002, Pääbo's department published findings about the "language gene", FOXP2, which is mutated in some individuals with language disabilities. In 2006, Pääbo announced a plan to reconstruct the entire genome of Neanderthals. In 2007, he was named one of Time magazine's 100 most influential people of the year. In February 2009, at the Annual Meeting of the American Association for the Advancement of Science (AAAS) in Chicago, it was announced that the Max Planck Institute for Evolutionary Anthropology had completed the first draft version of the Neanderthal genome. Over 3 billion base pairs were sequenced in collaboration with the 454 Life Sciences Corporation. In March 2010, Pääbo and his coworkers published a report about the DNA analysis of a finger bone found in the Denisova Cave in Siberia; the results suggest that the bone belonged to an extinct member of the genus Homo that had not yet been recognised, the Denisova hominin. Pääbo first wanted to classify the Denisovans as a species of their own, separate from modern humans and Neanderthals but changed his mind after peer-review. Pääbo's doctoral student Viviane Slon was able to successfully map the Denisovan genome, clarifying geographic distribution and admixtures in archaic humans. In May 2019, Pääbo and his colleagues published a draft sequence of the Neanderthal genome in the journal Science

# HONORS AND AWARDS

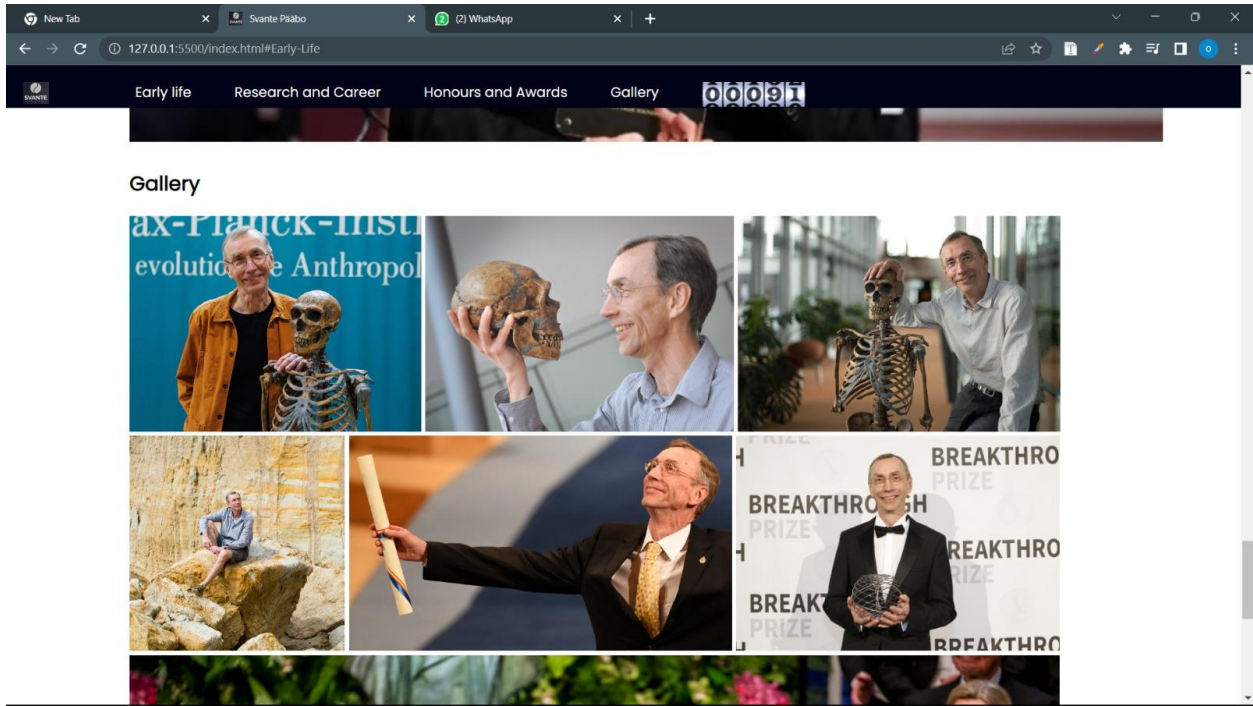
The Honors and Awards link contains all the nobel prizes and Famous awards he has won throughout his career



## GALLERY

The Gallery link shows some the pictures of Svaante Pääbo





## CHAPTER FOUR:

### CONCLUSION AND RECOMMENDATION

#### 4.1 DEVELOPER'S GUIDE

## CODING STANDARDS

Svaante Pääbo's biography website coding standards are easy to understand and work with, the codes are easy to understand and edit. Existing code in the websites may be updated, but doesn't necessarily have to be.

### HTML

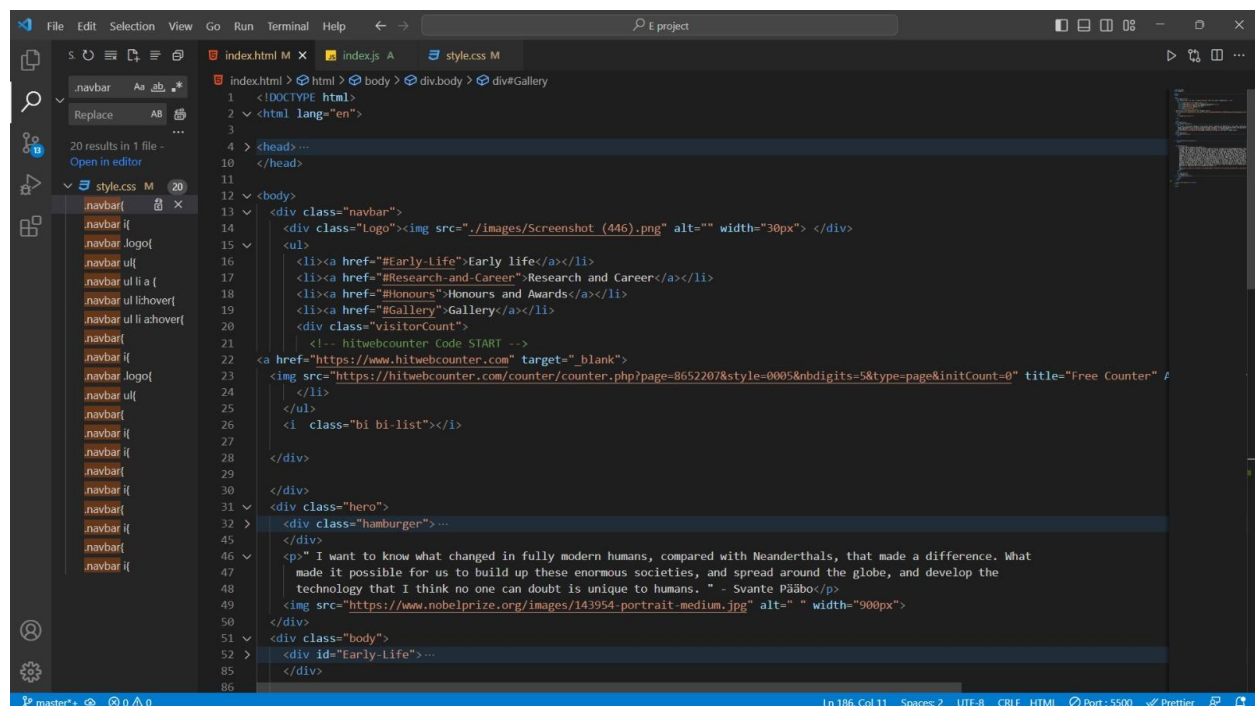
HTML pages can be edited easily with the comments made already to guide

Each page has a **header** which contains a **nav** that contains the page's menu.

Then a **main** with the page contents which is divided into **sections** for easier understanding.

Then a **footer**

### Code Example :



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>...
10 </head>
11
12 <body>
13 <div class="navbar">
14 <div class="Logo"> </div>
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17 <li><a href="#Research-and-Career">Research and Career</a></li>
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19 <li><a href="#Gallery">Gallery</a></li>
20 <div class="visitorCount">
21 <!-- hitwebcounter Code START -->
22 <a href="https://www.hitwebcounter.com" target="_blank">
23 
25 </ul>
26 <i class="bi bi-list"></i>
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30 </div>
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34 <p>" I want to know what changed in fully modern humans, compared with Neanderthals, that made a difference. What
35 made it possible for us to build up these enormous societies, and spread around the globe, and develop the
36 technology that I think no one can doubt is unique to humans." - Svante Pääbo</p>
37 
38 </div>
39 <div class="body">
40 <div id="Early-Life">...
41 </div>
```

#### ***4.1 Conclusion***

This project work was centered on developing a website about Svaante Pääbo with HTML, CSS, ANGULAR JS AND Java script. Without mincing words, we have achieved the aim and objectives of the project.

#### ***4.2 Recommendation***

The website our images where collected from google.