

The background of the slide is a light gray gradient. It is decorated with several realistic water droplets of various sizes, some with soft shadows, and a faint, concentric circular ripple pattern in the upper center.

# INTERACTIVE CAREER PATH

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# AGENDA

- TO CREATE AN INTERACTIVE WEB APPLICATION THAT GUIDES USERS THROUGH VARIOUS CAREER PATHS IN COMPUTER SCIENCE USING HTML, CSS, AND JAVASCRIPT.
- - HELP USERS EXPLORE ROLES LIKE WEB DEVELOPER, DATA SCIENTIST, AI ENGINEER, ETC.



# PROBLEM STATEMENT


- MANY STUDENTS ARE UNAWARE OF THE WIDE VARIETY OF CAREER OPTIONS IN CS AND LACK A VISUAL GUIDE THAT MAPS THEIR INTERESTS TO POSSIBLE CAREER PATHS.
  - A DIGITAL, INTERACTIVE CAREER MAP CAN SOLVE THIS PROBLEM.
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# PROJECT OVERVIEW

- A WEBSITE WITH AN INTERACTIVE LAYOUT THAT PRESENTS DIFFERENT CAREER PATHS (E.G., SOFTWARE DEV, AI/ML, CYBERSECURITY, DATA SCIENCE)
- WITH ROLE DESCRIPTIONS, REQUIRED SKILLS, SUGGESTED COURSES, AND TOOLKITS.



# WHO ARE THE END USERS?

- COMPUTER SCIENCE STUDENTS
  - CAREER COUNSELORS
  - COLLEGE FACULTY
  - BEGINNERS EXPLORING CS CAREERS
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# TOOLS AND TECHNIQUES

- • HTML5- STRUCTURE AND LAYOUT
- • CSS3- STYLING, LAYOUT DESIGN, ANIMATIONS
- • JAVASCRIPT – INTERACTIVITY (DROPDOWNS, MODAL POPUPS,  
• DYNAMIC CONTENT DISPLAY)
- CANVA/FIGMA\* – (OPTIONAL) FOR LAYOUT MOCKUP
- - \*RESPONSIVE DESIGN\* – MOBILE AND DESKTOP FRIENDLY


# CAREER PATH TOOLS AND LAYOUT

- HOMEPAGE: INTRO + CAREER CATEGORIES
- - NAVIGATION BAR: CS FIELDS (WEB DEV, AI, CYBERSECURITY, ETC.)
- - INTERACTIVE CARDS/TIMELINE: SHOWS CAREER STEPS
- - POP-UPS/MODALS: SHOW JOB DESCRIPTIONS, REQUIRED SKILLS
- - VISUAL ICONS & CAREER TREE LAYOUT





# FEATURES AND FUNCTIONALITY


- - INTERACTIVE CAREER MAP (CLICK TO EXPAND EACH PATH)
  - - DYNAMIC FILTERING (E.G., SHOW ROLES REQUIRING PYTHON)
  - - HOVER ANIMATIONS FOR BETTER UX
  - - RESPONSIVE DESIGN FOR MOBILE
  - - INFORMATION POPUPS WITH REQUIRED SKILLS AND SALARY INFO
  - - “SKILL BUILDER” TIPS SECTION.
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# OUTPUT

- OUTPUT :
- "HELLO, ANU! WELCOME TO JAVASCRIPT."



# SKILLS APPLIED

- FRONTEND WEB DEVELOPMENT (HTML/CSS/JS)
  - DOM MANIPULATION
  - UI/UX DESIGN
  - RESPONSIVE LAYOUT
  - LOGICAL STRUCTURING OF CAREER DATA
  - BASIC ANIMATION AND INTERACTIVITY
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# CONCLUSION

- THIS PROJECT PROVIDED A MEANINGFUL OPPORTUNITY TO COMBINE TECHNICAL WEB DEVELOPMENT SKILLS WITH CAREER EXPLORATION IN THE FIELD OF COMPUTER SCIENCE. BY USING \*HTML\*, \*CSS\*, AND \*JAVASCRIPT\*, I WAS ABLE TO DESIGN AN INTERACTIVE AND INFORMATIVE CAREER PATH GUIDE THAT CAN HELP STUDENTS VISUALIZE THE MANY ROLES AVAILABLE IN THE TECH INDUSTRY.

THE PROJECT NOT ONLY ENHANCED MY FRONTEND DEVELOPMENT ABILITIES BUT ALSO GAVE ME A DEEPER UNDERSTANDING OF VARIOUS CS CAREER OPTIONS, THE SKILLS REQUIRED, AND HOW TO GUIDE OTHERS EFFECTIVELY. THE VISUAL AND INTERACTIVE NATURE OF THE TOOL MAKES IT A USER-FRIENDLY RESOURCE FOR STUDENTS, EDUCATORS, AND BEGINNERS LOOKING TO SHAPE THEIR FUTURE IN COMPUTER SCIENCE.

OVERALL, THIS ASSIGNMENT BRIDGES THE GAP BETWEEN EDUCATION AND CAREER PLANNING AND REFLECTS MY IDENTITY AS A CS STUDENT PREPARED FOR THE EVOLVING DEMANDS OF THE TECH WORLD.