



GLOSSARY OF TERMS

SOURCE CONTROL: SOURCE CONTROL IS USED TO TRACK CHANGES IN A PROJECT OVER TIME. IT HELPS TEAMS COLLABORATE ON PROJECTS BY PROVIDING A HISTORY OF CHANGES AND THE ABILITY TO WORK ON DIFFERENT PARTS SIMULTANEOUSLY WITHOUT CONFLICTS.

GIT: GIT IS A VERSION CONTROL SYSTEM THAT HELPS DEVELOPERS KEEP TRACK OF THEIR CODE CHANGES. IT'S IMPORTANT BECAUSE IT ALLOWS YOU TO EXPERIMENT WITH NEW FEATURES WITHOUT WORRYING ABOUT BREAKING THE ORIGINAL CODE.

GITHUB: GITHUB IS A PLATFORM BUILT AROUND GIT THAT MAKES COLLABORATION EASIER. IT'S WIDELY USED FOR SHARING OPEN-SOURCE PROJECTS, ALLOWING OTHERS TO CONTRIBUTE, REPORT ISSUES, AND REVIEW CHANGES.

AI (ARTIFICIAL INTELLIGENCE): AI IS USED TO MAKE COMPUTERS THINK AND LEARN LIKE HUMANS. IT'S EMPLOYED IN VARIOUS FIELDS, FROM UNDERSTANDING HUMAN LANGUAGE TO RECOGNIZING PATTERNS IN LARGE DATASETS.

CHAT GPT: CHAT GPT IS A PRODUCT OF AI THAT CAN UNDERSTAND AND GENERATE HUMAN-LIKE TEXT. IT'S VALUABLE FOR PROVIDING INSTANT RESPONSES AND AUTOMATING CERTAIN INTERACTIONS IN CUSTOMER SERVICE AND CONTENT CREATION.

API (APPLICATION PROGRAMMING INTERFACE): APIS ENABLE DIFFERENT SOFTWARE PROGRAMS TO COMMUNICATE WITH EACH OTHER. THEY'RE CRUCIAL FOR BUILDING APPS THAT USE DATA OR FEATURES FROM OTHER SERVICES.

OPENAI: OPENAI DEVELOPS ADVANCED AI TECHNOLOGIES LIKE CHAT GPT. IT'S A GO-TO PLACE FOR INNOVATIVE AI SOLUTIONS AND TOOLS.



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REACTJS: REACTJS IS A LIBRARY FOR BUILDING USER INTERFACES IN WEB APPLICATIONS. IT'S POPULAR BECAUSE IT LETS DEVELOPERS BUILD DYNAMIC AND RESPONSIVE INTERFACES EFFICIENTLY.

NEXTJS: NEXTJS IS BUILT ON TOP OF REACTJS AND ADDS FEATURES FOR SERVER RENDERING AND ROUTING. IT'S USED TO CREATE FASTER AND MORE SEO-FRIENDLY WEB APPS.

NODEJS: NODEJS IS A RUNTIME THAT LETS DEVELOPERS USE JAVASCRIPT FOR SERVER-SIDE SCRIPTING. IT'S USED TO BUILD SCALABLE NETWORK APPLICATIONS AND BACKEND SERVICES.

YARN AND NPM: YARN AND NPM ARE PACKAGE MANAGERS THAT HELP DEVELOPERS MANAGE AND SHARE CODE LIBRARIES. THEY SIMPLIFY THE PROCESS OF INTEGRATING EXTERNAL CODE INTO YOUR PROJECTS.

COMMAND LINE: THE COMMAND LINE LETS YOU INTERACT WITH YOUR COMPUTER USING TEXT COMMANDS. IT'S USEFUL FOR TASKS THAT REQUIRE PRECISION AND AUTOMATION, LIKE RUNNING SCRIPTS OR MANAGING FILES.

GUI (GRAPHICAL USER INTERFACE): GUIs PROVIDE A VISUAL WAY TO INTERACT WITH COMPUTERS. THEY'RE USED FOR SOFTWARE APPLICATIONS WHERE USER-FRIENDLY INTERFACES ARE ESSENTIAL.

HOME BREW: HOME BREW IS A PACKAGE MANAGER FOR MACOS THAT MAKES IT EASY TO INSTALL SOFTWARE AND UTILITIES NOT INCLUDED WITH THE OPERATING SYSTEM.

OPERATING SYSTEM: THE OPERATING SYSTEM IS THE CORE SOFTWARE THAT MANAGES HARDWARE AND SOFTWARE RESOURCES. IT'S WHAT ALLOWS YOU TO INTERACT WITH YOUR COMPUTER AND RUN APPLICATIONS.

IDE (INTEGRATED DEVELOPMENT ENVIRONMENT): IDEs ARE POWERFUL SOFTWARE TOOLS THAT OFFER EVERYTHING YOU NEED TO WRITE, TEST, AND DEBUG CODE IN ONE PLACE, INCREASING PRODUCTIVITY.

VISUAL STUDIO CODE: VISUAL STUDIO CODE IS A POPULAR AND FEATURE-RICH CODE EDITOR. IT'S FAVORED BY DEVELOPERS FOR ITS EXTENSIONS, DEBUGGING CAPABILITIES, AND CUSTOMIZATION OPTIONS.