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Mini Project (Internship)

On

Data Science and Full Stack Web Development

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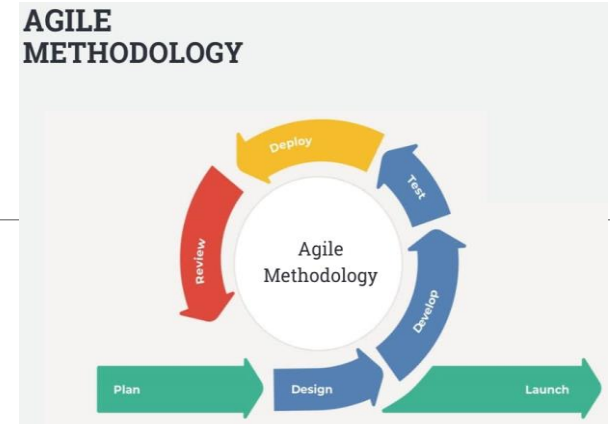
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CONTENT

- Introduction To linux Operating System
- Agile Methodology & GIT Version Software
- HTML & CSS
- Java script
- Python programming
- Tool Jet

- Rust Programming Language
- Data Visualization using JS Session
- Android Debugging
- Aptitude (Logical, Reasoning & Puzzles)
- Coding or Programming Skills
- Interview Skills

Linux Operating System:

- Open-source, Unix-like operating system.

- Kernel at its core, with distributions like Ubuntu, Fedora, and CentOS.

- Command-line interface (CLI) for system administration.

- Multitasking, multiuser, and stable.

Agile Methodology and GIT Version Software:

- Agile: Iterative and incremental software development approach.

- Agile methodoloy is a practice that helps continuous iteration of development and breaking down of project into phases .

- It promotes the sustainable development of develop user and sponser should work together .

- For developing effective software work on improving over all development process .

- Git is diatributed version on control system that enables software develop then to have multiple load copies of project codebase independent of each other .

- It modify file in workinv directory

- Git handle content in snapshots, one for each commit and know how to apply back the change in snapshot

HTML & CSS:

•HTML (Hypertext Markup Language): Standard markup language for creating web pages.

•CSS (Cascading Style Sheets): Styles web documents, enhancing layout and presentation.

•HTML defines structure, CSS controls appearance.

JavaScript:

•High-level, interpreted scripting language.

•Used for client-side web development.

•Enables interactive and dynamic web pages.

•Compatible with most browsers

Python Programming:

- High-level, versatile programming language.

- Emphasizes readability and ease of use.

- Extensive standard library.

- Widely used in web development, data science, and automation.

Tool Jet:

- JetBrains IDEs, including IntelliJ IDEA, PyCharm, and WebStorm.

- Supports various programming languages.

- Features code navigation, debugging, and version control integration.

Rust Programming Language:

- Systems programming language emphasizing safety.

- Zero-cost abstractions without garbage collection.

- Memory safety through ownership and borrowing concepts.

Data Visualization using JS Session:

- JavaScript libraries like D3.js for data visualization.

- Interactive and dynamic charts, graphs, and maps.

- Emphasizes conveying insights through visual representation.

Android Debugging:

•Debugging tools like Android Studio's debugger.

•Logcat for logging and tracing.

•Identifying and fixing runtime issues in Android apps.

Aptitude (Logical, Reasoning, and Puzzles):

•Logical reasoning assesses problem-solving ability.

•Reasoning evaluates logical thinking and decision-making.

•Puzzles test critical thinking and pattern recognition.

Coding or Programming Skills:

- Proficiency in languages like Java, Python, C++.

- Problem-solving through algorithms and data structures.

- Writing efficient and readable code.

Interview Skills:

- Effective communication of technical knowledge.

- Problem-solving under pressure.

- Showcasing experience and achievements confidently.

CONCLUSION

In conclusion, Rust offers robust systems programming with a safety focus. JavaScript data visualization enables dynamic insights representation. Android debugging and aptitude skills contribute to problem-solving proficiency. Versatile coding skills in HTML, CSS, JavaScript, and Python highlight web development capabilities. Familiarity with Linux, Agile, and GIT reflects a holistic software development understanding. Interview skills and tool proficiency, like JetBrains' IntelliJ IDEA, ensure effective communication and technical competence.

THANK YOU