AiQsoftTech

Mission

We change lives by enabling individuals through the acquisition of in-demand skills

Ignite your Aspirations

Training | Workshops | Internship| Technology Consulting

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Discover powerful skill development learning's on

AiQsoftTech

Whether you're an individual or part of an organization, access the latest courses and personalized career coaching to build in-demand skills.

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Home

Welcome to AiQsoftTech your gateway to a world of opportunities in software industry! AiQsoftTech was established by seasoned professionals in the Software and Data industry, bringing extensive multi-geographical expertise from successful implementations with numerous Fortune 500 clients.

We understand the ever-evolving landscape of the tech industry and the importance of staying ahead. Our training programs are designed to equip you with the latest skills and knowledge to thrive in the dynamic field of software development.

At AiQsoftTech we believe in a hands-on and practical approach to learning. Our experienced instructors, cutting-edge curriculum, and state-of-the-art facilities ensure that you receive a comprehensive and immersive learning experience. Whether you are a beginner looking to kickstart your career or a seasoned professional aiming to upskill, we have tailored programs to suit your needs.

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Workshop

Elevate your skills and knowledge through our engaging workshops that delve into specific aspects of software development. Whether you want to master a new programming language, explore emerging technologies, or enhance your problem-solving abilities, our boot camps provide a platform for focused and intensive learning.

Why Choose Our Bootcamps?

- Expert-led sessions with industry practitioners.
- Practical exercises and hands-on coding sessions.
- Small class sizes for personalized attention.
- Interactive Q&A sessions for in-depth understanding.
- Takeaway resources and materials for continued learning.

Browse through our workshop offerings to find the perfect fit for your learning goals. From beginner-friendly sessions to advanced topics, we have workshops that cater to every skill level.

Join AiQsoftTech and embark on a transformative learning experience that will empower you to excel in the competitive world of software development. Explore our programs, embrace the opportunities, and take the first step towards a successful and fulfilling career in technology!

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Internship:

Embark on a journey of real-world application with our internship programs. Gain valuable industry experience, work on live projects, and collaborate with professionals who are leaders in their respective fields. Our internship opportunities are crafted to bridge the gap between theory and practice, providing you with a solid foundation for a successful career in software development.

Key Features of our Internship Programs:

- Hands-on experience with industry projects.
- Mentorship from seasoned professionals.
- Exposure to the latest technologies and tools.
- Networking opportunities with industry experts.
- Certificate of completion letters.

Take the first step towards building a rewarding career by joining our internship programs at AiQsoftTech.

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Technology Consulting

Elevate your business with our cutting-edge software consulting services. Our expert team offers tailored solutions to optimize your digital landscape, enhance efficiency, and drive innovation. From strategic planning to seamless implementation, we are your trusted partner in navigating the ever-evolving world of technology.

Careers

Job title:	Trainer cum Analyst Trainee
Location:	Chennai
Terms:	Full Time
Salary/rate:	INR 2,40,000 P.A
Requirements:	BE/ MCA

About the role: High level summary of the role including an overview of the job's main purpose, who the job holder will report to and how the job contributes to the organization's success. In larger firms, some information about the department the role sits within would be helpful.

Responsibilities:

- Develop Training Materials: Create engaging lesson plans, presentations, and materials that cater to the learning needs of the audience.

- Conduct Training Sessions: Lead workshops, seminars, and one-on-one training sessions that are informative and interactive.

- Evaluate Progress: Assess the effectiveness of training programs and the progress of participants through tests, surveys, and discussions.

- Update Curriculum: Keep training content up-to-date with the latest industry trends and organizational changes.

- Support Learners: Provide guidance and support to learners to help them apply new skills and knowledge in their roles.

- Coordinate with Management: Work with managers to identify training needs and ensure that training objectives align with organizational goals.

- Monitor Training Outcomes: Track and report on the outcomes of training initiatives to stakeholders and use this data to improve future training.

Candidate requirements:

- Passionate about learning and teaching.
- Strong Communication: Excellent verbal and written communication skills to convey information effectively.
- Interpersonal Skills: Ability to engage with learners and encourage a positive learning environment.
- Organizational Abilities: Strong planning and organizational skills to manage training schedules and resources.
- Ready to relocate to Chennai and travel across Tamilnadu

Contact us to apply

Send Your CV to aiqsofttech@gmail.com

Blog

Title: "Unleashing Creativity: A Dive into the World of Generative AI"

Introduction:

Generative AI, a groundbreaking field within artificial intelligence, is revolutionizing the way machines comprehend and create. By leveraging advanced algorithms, these systems have the ability to generate new, creative content that goes beyond traditional programming. In this blog post, we'll explore the fascinating realm of Generative AI, understanding its principles and showcasing some remarkable examples that highlight its potential.

Understanding Generative AI:

Generative AI involves training models to learn patterns from vast datasets and then using that knowledge to generate new content. Unlike traditional AI, which relies on explicit programming, generative models can produce novel outputs, whether it's images, text, or even music.

Examples of Generative AI:

1. **Text Generation: GPT-4 by OpenAI**
   - OpenAI's GPT-4 (Generative Pre-trained Transformer 4) is a language generation model that has taken the AI world by storm.. From creative writing to code completion, GPT-4 showcases the power of generative language models.
2. **Image Synthesis: DeepArt and StyleGAN**

- DeepArt and StyleGAN are examples of generative models capable of creating stunning visual content. These models can transform ordinary images into masterpieces inspired by famous artists' styles or generate entirely new and realistic images. StyleGAN, for instance, has been used to create lifelike faces of non-existent people.

3. **Music Composition: AIVA**

- AIVA (Artificial Intelligence Virtual Artist) is a generative AI designed to compose original music. Trained on vast musical datasets, AIVA can create melodies, harmonies, and entire compositions in various genres. It opens up new possibilities for musicians and underscores how AI can contribute to the creative process.

4. **Conversational Agents: ChatGPT**

- ChatGPT, developed by OpenAI, is a conversational AI model that demonstrates the ability to engage in dynamic and context-aware conversations. It highlights the potential of generative models in natural language understanding and interaction.

Benefits and Challenges:

Generative AI brings numerous benefits, including creativity, automation, and enhanced problem-solving. However, it also poses challenges such as ethical concerns, biases in generated content, and the need for responsible deployment.

Conclusion:

Generative AI is reshaping the landscape of artificial intelligence, pushing the boundaries of what machines can create. As we witness the capabilities of models like GPT-4, StyleGAN, AIVA, and others, it becomes clear that generative AI is not just a technological advancement but a catalyst for innovation in diverse fields. Embracing and understanding this transformative technology opens doors to endless possibilities, sparking creativity and pushing the boundaries of what was once deemed impossible.

- 2.Title: Supercharge Bard: Prompt Hacks for AI Writing Magic

Have you ever wished you could whisper a wish to a digital genie and watch it unfold on the screen? Well, with Bard, Google's AI language model, and the art of prompt engineering, that's closer to reality than you might think.

What is Prompt Engineering?

Think of prompts as instructions Bard listens to. While Bard is incredibly knowledgeable and versatile, it needs that little push in the right direction to unleash its full potential. That's where prompt engineering comes in. It's the craft of crafting prompts that guide Bard towards generating the content you desire, be it a captivating story, a persuasive email, or a complex code snippet.

Let's dive into some practical examples:

1. Unlocking Bard's Creative Potential:

- Prompt: "Write a poem in the style of Emily Dickinson about a robot falling in love with the moon."

- Result: "Cogs whirring, wires aflame, my circuit sighs for lunar grace. In silent starlight, I whisper your name, oh moon, a silvered, distant face."

2. Boosting Your Productivity:

- Prompt: "Summarize the key points of a research paper about climate change, focusing on the economic implications."

- Result: "The study highlights the potential economic losses due to climate change, including increased damage from extreme weather events and disruption to agricultural production. It recommends investing in renewable energy and adaptation strategies to mitigate these risks."

3. Coding Collaboration:

- Prompt: "Write a Python script that scrapes data from a website and generates a bar chart showing the distribution of age groups."

- Result: (Bard will provide the actual script with comments explaining each step)

  Tips for Mastering Prompt Engineering:

- Clarity is key: Be specific and clear about what you want Bard to do.

- Context matters: Provide relevant background information so Bard understands the prompt's setting and purpose.

- Embrace examples: Include reference texts, code snippets, or other examples to guide Bard towards the desired style or output.

- Experiment and iterate: Don't be afraid to refine your prompts and try different approaches. The more you experiment, the better you'll understand how to harness Bard's capabilities.

  Remember, prompt engineering is a journey, not a destination. As you refine your skills, you'll unlock new possibilities and discover the hidden depths of Bard's potential. So, get creative, experiment, and let the power of prompts guide you to unleash the magic of AI writing!

  Bonus: Check out these resources for further exploration:

- Google AI Bard: https://blog.google/technology/ai/bard-google-ai-search-updates/

- Bard Prompt Writing Introduction: https://www.thebard.ai/

- 100 Sample Prompts for Google Bard: https://www.megrisoft.com/blog/artificial-intelligence/100-sample-prompts-for-google-bard-chat-based-ai-tool

  Happy prompting!

3.
Large Language Models (LLM)s & Finetuning: Shaping the Future of Gen AI

Ever heard of a robot writing novels or composing music? That's thanks to Large Language Models (LLMs) like Bard! But LLMs are raw gems. To truly shine, they need finetuning – a special polish that unlocks their potential.

Imagine, LLMs are like mountains of knowledge – all messy and unorganized. Finetuning is like building roads and hiking trails, making that knowledge accessible for specific tasks.

Let's see finetuning in action:

** The Artful Brush:**

An LLM trained on millions of paintings can be finetuned to mimic Van Gogh's style. By feeding it Van Gogh's works and instructions, we "pave" the path for it to generate stunning Van Gogh-esque creations.

** The Melodious Maestro:**

An LLM trained on countless melodies can be finetuned to compose personalized lullabies. By providing lullaby examples and desired moods, we "build" the path for it to generate unique and soothing tunes.

Finetuning isn't magic, but it's pretty close. It unlocks the potential of LLMs to revolutionize diverse fields like:

- Personalized healthcare– Diagnosing diseases by analyzing medical data

- Smart content creation – Generating captivating product descriptions or social media posts

- Adaptive learning – Tailoring educational materials to each student's needs

   Remember, finetuning is a team effort:

- Data providers: Offer high-quality, relevant data to "build" the best paths.

- AI experts: Guide the finetuning process, ensuring LLMs stay on track.

- Users: Provide feedback and refine the trails, shaping the LLM's output.

With continuous training and finetuning, LLMs will become even more powerful tools, blurring the lines between human and machine creativity. Get ready for a future where AI paints masterpieces and composes symphonies – all because we learned to show them the way!

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Master Class for Gen AI and Prompt Engineering

Target Audience: This course is intended for individuals with a basic understanding of machine learning concepts who are interested in exploring the world of Generative AI. Students with programming experience will benefit most from the hands-on projects, but it's not mandatory.

Course Duration: The duration can be adjusted based on the desired depth and coverage, ranging from 8 Hours to 10 Hours.

Course Goals:

- Gain a comprehensive understanding of Generative AI principles, model types, and applications.

- Develop practical skills in implementing Generative AI models for different tasks (e.g., text generation, image synthesis, music composition).

- Navigate the ethical considerations and potential biases in Generative AI development and deployment.

- Explore the future of Generative AI and its impact on various industries and creative fields.

Course Modules:

Module 1: Introduction to Generative AI

- What is Generative AI?

- History and evolution of Generative AI models

- Differentiating Generative AI from traditional Machine Learning

- Applications of Generative AI across various domains

- Case studies and real-world examples

Module 2: Introduction to Prompt Engineering

- What is prompt engineering?

- The role of prompts in large language models (LLMs)

- Benefits and limitations of prompt engineering

- Applications of prompt engineering across various domains

- Real-world case studies and examples

Module 3: Foundations of Prompt Engineering

- Understanding language models and their internal workings

- Different types of prompts: open-ended, closed-ended, and chain-of-thought

- Principles of effective prompt design: clarity, conciseness, and context

- Common pitfalls and mistakes in prompt engineering

Module 4: Crafting Compelling Prompts

- Techniques for refining prompts: rephrasing, adding examples, and incorporating style guides

- Utilizing different prompt patterns: question refinement, cognitive verification, audience persona

- Using few-shot learning to guide the model with specific examples

- Exploring template-based approaches and prompt libraries

Module 5: Advanced Prompt Engineering Techniques

- Chain-of-thought prompting for complex narratives and reasoning

- Reacting to generated outputs to refine the model's direction

- Prompt engineering for creative tasks: writing different genres, music composition, image generation

- Fine-tuning models with prompts for domain-specific applications

Module 6: Advanced Applications of Generative AI

- Text generation: Techniques for realistic text creation, storytelling, and code generation

- Image synthesis: Generating high-resolution images, manipulating existing images, and creative applications

- Music generation: Composing music in different styles and genres

- Generative AI for scientific discovery and drug design

- Generative AI for game development and virtual worlds

Module 7: Ethical Considerations and Responsible AI

- Understanding bias and fairness in Generative AI models

- Mitigating potential harms of Generative AI technologies

- Responsible AI development and deployment practices

- Transparency and interpretability in Generative AI

- Legal and regulatory landscape surrounding Generative AI

Module 8 The Future of Generative AI

- Emerging trends and future directions in Generative AI research

- Potential societal and economic impacts of Generative AI

- Open challenges and opportunities in the field

- Responsible innovation and guiding principles for development

Assessment:

- Practical projects demonstrating implementation of Generative AI models

- Presentations and discussions on ethical considerations and future applications

Tools : Open AI BARD MIDJOURNEY

SQL

Target Audience: This course is ideal for individuals with minimal to no prior knowledge of SQL who want to learn the fundamentals of querying and manipulating data in relational databases. It can be tailored for beginners with varied technical backgrounds.

Course Duration. : The duration can be adjusted based on the desired depth and coverage, ranging from 8 Hours to 10 Hours.

Course Goals:

- Gain a thorough understanding of the relational database model and SQL.

- Develop practical skills in writing data retrieval queries using SELECT statements.

- Master essential data manipulation techniques like INSERT, UPDATE, and DELETE.

- Understand and utilize data filtering using WHERE clauses and operators.

- Explore join operations for working with multiple tables.

- Learn basic data aggregation functions like MIN, MAX, SUM, and AVERAGE.

- Gain familiarity with database management concepts like schemas, constraints, and indexes.

  Course Modules:

  Module 1: Introduction to Databases and SQL

- What is a relational database?

- Key components of a database: tables, columns, records

- Introduction to SQL: its purpose and basic syntax

- Setting up a development environment for practicing SQL

  Module 2: Data Retrieval with SELECT Statements

- Writing basic SELECT queries to retrieve specific columns and rows

- Understanding different data types and handling formatting

- Applying WHERE clauses to filter data based on conditions

- Utilizing operators like AND, OR, and NOT for complex filtering

- Sorting data using ORDER BY clause

  Module 3: Data Manipulation with INSERT, UPDATE, and DELETE

- Adding new data records to a table using INSERT statements

- Modifying existing data in a table using UPDATE statements

- Removing unwanted data records using DELETE statements

- Understanding data integrity and constraints

  Module 4: Joining Tables for Relational Analysis

- Introduction to the concept of joins: inner, left, right, and full joins

- Utilizing joins to combine data from multiple tables

- Writing queries with multiple joins for complex relationships

  Module 5: Working with Functions and Aggregation

- Applying built-in functions for calculations and data manipulation

- Utilizing aggregate functions like MIN, MAX, SUM, and AVERAGE

- Grouping data and applying aggregate functions for analysis

- Creating subqueries for nested queries

  Module 6: Database Management and Optimization

- Understanding database schemas and table creation

- Defining data types, constraints, and indexes

- Basic concepts of database security and user permissions

- Optimizing queries for improved performance

  Assessment:

  Hands-on assignments and projects involving real-world data scenarios

PYTHON

Target Audience: This course is intended for individuals with a basic understanding of python programming concepts who are interested in exploring the world of Machine Learning. Students with programming experience will benefit most from the hands-on projects, but it's not mandatory.

Course Duration: The duration can be adjusted based on the desired depth and coverage, ranging from 8 Hours to 10 Hours.

Module 1: Introduction to Python

- Installing Python and setting up a development environment

- Basic syntax and structure of Python code

- Variables, data types, and operators

- Input and output operations

- Comments and documentation

  Module 2: Control Flow

- Conditional statements (if, else, elif)

- Loops (for, while)

- Nested control flow structures

- Breaking and continuing loops

  Module 3: Functions

- Defining and calling functions

- Arguments and parameters

- Return values

- Scope of variables (global vs. local)

  Module 4: Data Structures

- Lists: creating, accessing, modifying, and iterating

- Tuples: immutable lists

- Dictionaries: key-value pairs

- Sets: collections of unique elements

Module 5: Strings

- String manipulation methods (indexing, slicing, concatenation, splitting, formatting)
- String formatting techniques

Module 6: File I/O

- Reading and writing text files
- Working with different file formats (CSV, JSON)

Module 7: Modules and Packages

- Importing modules and using their functions
- Creating and using your own modules
- Exploring popular Python libraries

Module 8: Object-Oriented Programming (OOP)

- Introduction to OOP concepts (classes, objects, methods, inheritance)
- Defining classes and creating objects
- Inheritance and polymorphism

Module 9: Exception Handling

- Handling errors and exceptions
- Using try-except blocks
- Raising custom exceptions

Module 10: Project

- Hands-on project to apply learned concepts
- Building a simple Python application

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