



**NOVANECTAR
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Web Development

Project Title: ·Travel website

Task Description

Create a stunning travel website showcasing destinations worldwide. Engage users with captivating imagery, informative content, and user-friendly navigation. Incorporate features such as search filters, interactive maps, and booking functionalities for seamless travel planning. Ensure responsiveness across devices and optimize for fast loading speeds. Implement social media integration for sharing experiences and testimonials. Elevate user experience with a visually appealing design that inspires wanderlust and facilitates hassle-free exploration.



**NOVANECTAR
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UI/UX Designer

Project Title: Design a college website (basic, intermediate or advance)

Task Description

Design a dynamic college website tailored to student needs. Include essential sections like admission details, academic programs, faculty profiles, and campus facilities. Incorporate interactive elements such as virtual campus tours, event calendars, and student forums. Ensure accessibility features and responsive design for seamless browsing on all devices. Integrate student portals for course registration, grades, and resources. Optimize for search engines and social media sharing to enhance visibility. Create a visually appealing interface that reflects the college's identity and fosters a sense of community.



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Python Developer

Project Title: Hangman game

Task Description

Develop a Hangman game in Python with intuitive user interaction. Utilize basic input/output functions to prompt players for guesses and display the progress of the word to be guessed. Implement logic for word selection, tracking guessed letters, and updating the display accordingly. Include features such as limited incorrect guesses, feedback on correct/incorrect guesses, and a visually appealing ASCII art display for the hangman. Ensure modular code structure for easy maintenance and scalability.



**NOVANECTAR
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App Development

**Project Title: Weather tracker
app**

Task Description

Create a weather tracker app for seamless access to current and forecasted weather data. Integrate APIs to fetch real-time weather information based on user location or search queries. Include features such as temperature, humidity, wind speed, and precipitation forecasts. Implement user-friendly interfaces with intuitive navigation and customizable settings. Enable push notifications for severe weather alerts. Ensure compatibility across iOS and Android platforms and optimize for performance and battery efficiency. Incorporate visually appealing design elements for enhanced user experience.



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Java Developer

Project Title: Quiz platform

Task Description

Develop a comprehensive quiz platform in Java, offering diverse question types and customizable quizzes. Implement user authentication and authorization features for secure access. Design a user-friendly interface with intuitive navigation and responsive layout. Integrate database functionality for storing questions, user profiles, and quiz results. Include features such as timed quizzes, score tracking, and leaderboards. Ensure robust error handling and data validation. Optimize code for performance and scalability, adhering to industry best practices and design patterns.



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Full Stack Developer

Project Title: ToDo List

Task Description

As a full-stack developer, create a ToDo list application with a seamless user experience.

Utilize technologies like React.js for the frontend, Node.js for the backend, and MongoDB for database management.

Implement features such as task creation, editing, deletion, and categorization. Enable user authentication and authorization for secure access. Ensure real-time updates and synchronization across devices. Design an intuitive and visually appealing interface with responsive design principles. Deploy the application on a cloud platform for accessibility.



**NOVANECTAR
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Data Science

Project Title: House Price Prediction

Task Description

Develop a House Price Prediction model using data science techniques. Collect and preprocess relevant datasets including features like location, size, amenities, and historical prices. Utilize regression algorithms such as linear regression or ensemble methods to train the model. Implement feature engineering, regularization, and cross-validation techniques to improve model accuracy and generalization. Evaluate the model's performance using metrics like RMSE or MAE. Provide an intuitive interface for users to input house features and receive predicted prices.



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Machine learning

**Project Title: ·Car Price
Prediction**

Task Description

Create a Machine Learning model for predicting car prices. Collect and preprocess datasets containing features like make, model, year, mileage, and condition. Utilize regression algorithms such as linear regression, decision trees, or random forests to train the model. Implement feature scaling, encoding categorical variables, and handling missing data for improved model performance. Evaluate the model using metrics like RMSE or R^2 score. Develop an interface for users to input car features and receive predicted prices.



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Data Analytics

Project Title: Power BI Dashboard Task Description

Develop a Power BI Dashboard for comprehensive data analytics. Gather and preprocess datasets from various sources, ensuring data integrity and consistency. Design interactive visualizations, including charts, graphs, and tables, to represent key performance indicators and trends. Implement features such as filters, slicers, and drill-down capabilities for deeper insights. Utilize Power BI's functionalities for data modeling, transformation, and integration. Ensure the dashboard is user-friendly and customizable to meet stakeholders' needs for informed decision-making.



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Artificial intelligence

Project Title: Chatbot using NLP Task Description

Develop a Chatbot using Natural Language Processing (NLP) AI to provide conversational assistance. Utilize machine learning models like sequence-to-sequence or transformers for understanding user inputs and generating relevant responses. Implement techniques such as intent classification, entity recognition, and sentiment analysis for accurate understanding of user queries. Integrate with APIs for accessing external data sources or services. Continuously train and improve the Chatbot using feedback loops and reinforcement learning. Ensure seamless integration into messaging platforms for widespread accessibility.



**NOVANECTAR
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Digital marketing

**Project Title: Social media
Research and analysis**

Task Description

Conduct comprehensive research and analysis for digital marketing strategies on social media platforms. Explore user demographics, engagement patterns, and content preferences across platforms like Facebook, Instagram, Twitter, and LinkedIn. Utilize data analytics tools to gather insights on trending topics, popular hashtags, and competitor strategies. Develop targeted marketing campaigns based on audience segmentation and behavior analysis. Implement performance tracking mechanisms to measure campaign effectiveness and optimize strategies for maximum reach and engagement.



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c/c++programming lang

Project Title: Simple calculator

Task Description

Develop a simple calculator program in C/C++ with basic arithmetic operations. Utilize user input functions to receive operands and operators. Implement switch or if-else statements to perform addition, subtraction, multiplication, and division. Include error handling for invalid inputs or division by zero. Design a user-friendly interface for input and output. Ensure modularity and efficiency in code structure for easy maintenance and scalability. Compile and execute the program for seamless calculation functionalities.



**NOVANECTAR
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Cyber Security

**Project Title: password strength
Tester**

Task Description

Create a password strength tester tool for cybersecurity purposes. Utilize algorithms to analyze password complexity based on factors like length, character diversity, and presence of common patterns or dictionary words. Implement scoring system to classify passwords as weak, moderate, or strong. Incorporate user feedback on password strength and provide recommendations for improvement. Ensure secure handling of sensitive data and compatibility across different platforms. Test the tool against known password vulnerabilities for robustness.