



NOTES NINJA

www.NotesNinja.tech

GitHub Repository -
<https://github.com/goswamiumang108/NotesNinja>

Introduction to the Web Application

Welcome to Notes Ninja !! our revolutionary AI+ML & Neural Network powered web application designed to enhance learning through the power of AI and neural networks.

With user-friendly features and cutting-edge technology, we are here to transform the way you study and achieve success in academics.

By utilizing our web application, students can experience personalized learning, improved academic performance, enhanced study efficiency, and a deeper understanding of their subjects, ultimately leading to par-excellence in academic endeavors and a bright future ahead.



The Power of AI and Neural Networks

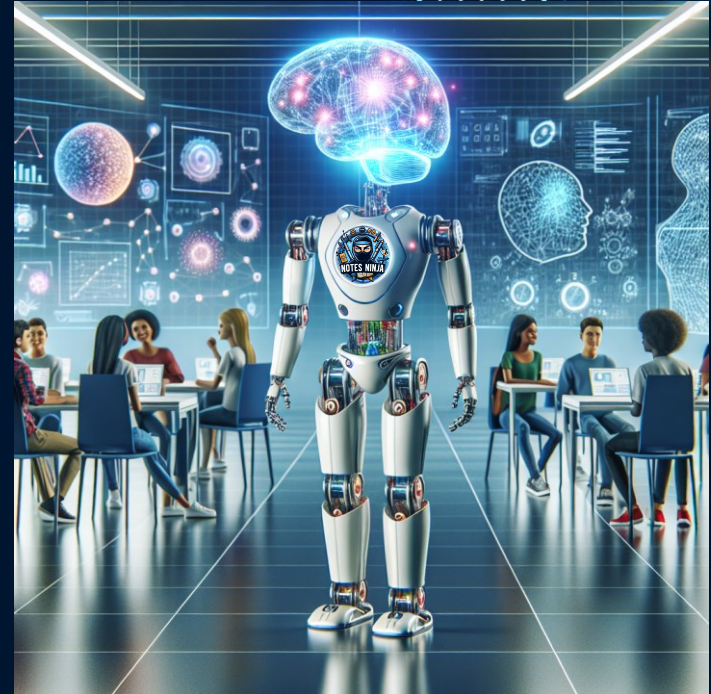
Enhancing Learning Experience with Technology

AI in Education

AI has the potential to personalize learning, provide instant feedback, and adapt to individual student needs, leading to improved academic performance.

Neural Networks

Neural networks can analyze complex data, recognize patterns, and make data-driven predictions, empowering students to grasp difficult concepts and excel in their studies.



Technical Insights into Notes Ninja

Front-End Development Technologies :

At Notes Ninja, we harness the synergy of HTML, CSS, and JavaScript to craft an unparalleled client side web experience. HTML provides the robust structure organizing content into a coherent hierarchy making navigation intuitive. CSS then adds a layer of aesthetic appeal, with custom themes and responsive designs that adapt seamlessly to any device, reflecting Notes Ninja's commitment to accessibility and style. JavaScript brings it all together, enabling dynamic interactions and real-time features that empower users to manage their notes efficiently.

Back-End Development Technologies :

Behind the seamless operation of Notes Ninja lies the robust backend architecture powered by Python 3.11 and the Flask framework. Python's latest version brings cutting-edge features and optimizations that enhance the performance and efficiency of our server-side operations.

With Flask, a lightweight and flexible micro-framework, we've crafted a backend that is both powerful and easy to maintain. This combination allows for rapid development and deployment of new features, ensuring that Notes Ninja remains at the forefront of innovation.

Version Control System : Git and GitHub for VCS, collaboration, and CI/CD workflows.

Build and Deployment :

The global reach of Notes Ninja is powered by the Azure Cloud, ensuring that our website is accessible worldwide. Our deployment process is streamlined through a GitHub Actions build and deployment pipeline, which flawlessly integrates with Azure, allowing for continuous updates and delivery without compromising on performance or security.

Together, GitHub Actions and Azure Cloud create a powerful combination for automating, securing, and scaling the deployment of web applications, ensuring that developers can focus more on creating and less on the intricacies of deployment and infrastructure management.

DNS Records Management :

At Notes Ninja, we've streamlined our web presence through strategic DNS records management. Our domain, NotesNinja.tech, is configured to forward to our Azure-hosted website with URL masking and path forwarding, ensuring a seamless user experience. This is accomplished by creating A Records that point to Azure's IP addresses, providing a direct and reliable route to our platform.

Additionally, we've verified our domain property with Google Search Console using a TXT record, which not only enhances our site's discoverability but also fortifies our credibility in the digital space by helping in SEO works.

Server side capabilities :

Notes Ninja is hosted on an Azure Linux server within the South India region, ensuring global accessibility. Key performance metrics include CPU usage, memory consumption, and data traffic. The free F1plan provides 1GB of storage and memory each with 60minuter per day of compute time. It uses an Python 3.11 runtime stack for handling server-side operations. NotesNinja has its own personalized virtual environment for running python scripts; managing dependencies, securely storing essential env variables, and API keys & secrets. It has Unix 5.15.128.1 OS version on a 64bit system with 64bit processes and two processors.

Key Features of Notes Ninja

Efficient Study Material

Our application transforms lengthy textbooks into concise, easy-to-understand study notes, saving valuable study time and aiding in better retention of information.

Accessibility and Convenience

Study anytime, anywhere with our mobile-friendly platform, allowing students to access study material conveniently and make the most of their study time.

Priceless product at no cost

The Notes Ninja comes at no cost for everyone. Credit Cards, billing info, Signups, etc. are not asked.

Multiple Data Files Supported

Users can upload multiple files of numerous types viz. PDF, JPEG/JPG, PNG, BMP, TIFF, HEIF, DOCX, XLSX, PPTX and HTML.

Visual Learning Resources

We provide visual aids and interactive content to make learning more engaging, ensuring students comprehend and remember crucial information effectively.

Customized Learning Experience

Our platform allows students to customize study material w.r.t curriculum to best suit their individual learning preferences, making the learning process more tailored and effective.

Whole Library into a small Handbook

Notes Ninja can at a time take about 629146 to 838860 English lang words of input to prepare your concise notes.

OCRed Files are not required

PDF files and Images even don't need to be digitized !! Notes Ninja can even understand from scanned PDFs, phone-clicked images.

The Client-Side View

Visit NotesNinja.tech preferably on PC to get better view

Notes Ninja

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Welcome to Notes Ninja

Achieve par-excellence in studies with Notes Ninja

Upload a PDF file of a big-fat book and enter your syllabus topics to get concise study notes

Select a PDF file

Choose File

No file chosen

Enter your syllabus topics here

Generate Study Notes

Download Notes

[GitHub Repository](#)

The Client-Side View

Visit NotesNinja.tech preferably on PC to get better view



Key Features That Boost Your Grades



Smart Summaries

Effortlessly condense textbooks into precise, comprehensive summaries with a single click.



Efficient Learning

Improve retention and understanding with advanced, AI-driven learning techniques.



Syllabus specific notes

Get the study notes of those topics only which are in your syllabus.

GitHub Repository

Transforming Education One Note at a Time

1

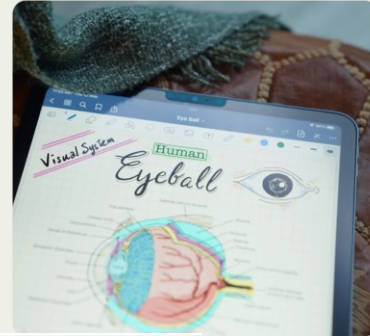
Note Conversion

Turn massive textbooks into manageable concise notes effortlessly.

2

Learning AI

Experience a new era of studying with smart, AI-powered learning tools.



3

Study Insights

Gain unique, data-driven insights into your study habits.

4

Test Prep

Ace your exams with tailored, AI-enriched study notes.

GitHub Repository

Start Your Journey to Academic Par-Excellence Today with Notes Ninja

SkyRocket your grades with Notes Ninja

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GitHub Repository

The Product Developers and their roles



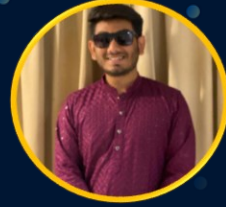
 @goswamiumang108

 go.umang108@gmail.com
goswamiumang108@outlook.com

UMANG GOSWAMI

Product Idea and Project Lead

- Full Stack Development
- Build, hosting & Deployment on Azure with GitHub Actions
- Domain and DNS Records Management
- Using various AI tools to parse-analyse-read the uploaded files , perform OCR, RAG workings and later generate notes and download them.



 @Moriarty2004

SHREYANSH GUPTA

- UI/UX Design
- Presentation Making
- Logo and Graphics Designing
- Load and Accessibility testing



 @Tejasva1059

TEJASVA CHADHA

- Presentation Making
- UI/UX Design
- Performance and Usability testing
- Domain Management



 @Shashwat1915

SHASHWAT TIWARI

- Proofreading
- Backend Development
- Endpoints and API Handling

Thank You

Submitted by

UMANG GOSWAMI (BTech CSE(AI-IBM) Section U Sem 4)

SHREYANSH GUPTA (BTech CSE(AI-IBM) Section U Sem 4)

TEJASVA CHADHA (BTech CSE(AI-IBM) Section U Sem 4)

SHASHWAT TIWARI (BTech CSE(AI-IBM) Section U Sem 4)



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