Nivesh Pritmani

Ahmedabad, Gujarat, India

📞 (+91) 9016715500 ✉ niveshpritmani@gmail.com in Linkedin ⌗ Github

Projects

Video Conversion App | *Python, ML Libraries, Google Speech Recognition, Flask*   January 2024

- Developed an video translation app using Python and Speech Recognition to burn subtitles in it.
- It can also extract audio ,text and subtitles from it.
- It can also translate it into various language like Russian, French, etc.
- Also we can burn translated subtitles in video.
- Used libraries like speech recognition, moviepy, texttranslate, texttoaudio, PIL, pydub.
- Created Webpage for the same using Flask

Fitness App | *Java, Android Studio, Firebase*   March 2023

- Created an Android application using Java and Android Studio for daily exercise routing.
- Added exercises for different sports as well.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.
- Used firebase to store and fetch user data and some application level data like exercise,images etc.

Basic CPU | *Logism, COA concepts*   May 2023

- Designed a simple and basic instruction set single processing unit CPU architecture.
- Used Logisim and Computer Architecture concepts to create a CPU with ALU ,Memory Unit, Register, Flip-Flops, Decoder and timing decoders, Control logic(gates)
- Implemented Basic operations like ADD, AND, LDA , STA, BUN, CIR, CIL, HALT, INC.

Technological Skills

Programming Languages: Python, Java, C++, MATLAB
Data Structures: Array , Strings, Linked List, Tree, Graphs
Database Management: SQL, NoSQL, Hadoop
Linux: Networking, FileSytsem, Scripting, Troubleshooting, Protocols, LVM
Machine Learning: Numpy, Pandas, Seaborn, Matplotlib, Scikit-Learn, TensorFlow, Pytorch, Keras
CS Fundamentals: OS, Networking, DBMS, Computational Mathematics, Cloud Computing

Other Skills

Web Programming: HTML, CSS, JavaScript, React, Node, Angular
Management: Project Management, Team Building, Teaching
Cloud TechStack: AWS, Docker, Kubernetes, Virtualization

Education

Pandit Deendayal Energy University   Gujarat, India
Bachelor of Technology in Information and Communication Technology   *Oct 2021 – June 2025*

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- RF Engineering
- Systems Programming
- Computer Architecture
- Embedded Systems
- Computer Networking
- Cloud Architecture
- Machine Learning