

Aryaman Pathak

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EDUCATION

International Institute of Information Technology
Integrated M.tech in Electronics and Communication Engineering

Bengaluru, Karnataka
October 2022 – July 2027

PROJECTS

Swiftly | *Python, Rest, React, JavaScript, Docker, Git*  Jan 2024 – Feb 2024

- Developed a full stack web app that enables users to rent and lend everyday essentials from and to others in their community.
- Implemented backend in Django, frontend in React
- Used Websockets for real time chat
- Used asgi for asynchronous tasks

Lawer | *Firebase, Django REST, Flutter, Requests, Git*  Feb 2024 – May 2024

- Developed an Android application to help users search laws and precedents regarding their case for the Google Solution challenge. It helps users manage all their case files.
- Used Indiankannon API to fetch raw data processed into laws and precedents. Processed data and user files are stored in Firebase Storage. Employs Firebase SDK for Python-Firebase integration
- Django REST framework for frontend API endpoints, while the frontend app is written in Flutter

Sentiment Analysis on Western News about India |  Feb 2024 – May 2024

- BeautifulSoup, Selenium, NLP, ML Algorithms, Vader, Git
- This project conducted a detailed sentiment analysis on a large dataset of news articles from prominent Western media outlets.
- Leveraging natural language processing (NLP) techniques and machine learning algorithms, the project identified trends, patterns, and biases in the sentiment of this coverage.

MIPS Processor | *Python, Git*  Feb 2024 – May 2024

- Built a MIPS processor simulator in Python within 3-month, utilizing Python's versatility for efficient simulation.
- Designed intuitive features for instruction execution and memory management, ensuring accuracy and reliability through thorough testing. n

RELEVANT COURSES TAKEN

Computer Science: Data Structures and Algorithms, OOPS, Operating System, Computer Architecture, Computer Networks

Electronics: Digital Design, Digital Circuits, Analog Circuits

Communication: Signal Processing, Principals of Communication Systems, }

AI/ML: Machine Learning, Maths for ML

TECHNICAL SKILLS

Frontend: React, Redux, Tailwind Css, Web Design, Flutter, React Native

Backend: Django, Express.js, Rest API, Cloud Infrastructure Management, SQL, MongoDB, PHP, Firebase

Web3 Development: Solidity, Ether.js, Ganache, IPFS (Interplanetary File System)

AI/ML: Pytorch, NLP, Gen AI, Keras

Developer Tools: Docker, Android Studio, Git / Github, Postmen, CircleCI, AWS, Arduino, Matlab

PROGRAMMING LANGUAGES

Python

Javascript

C++/C

Java

C Sharp