

Ronith R Nair

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EDUCATION

National Institute of Technology Karnataka

Bachelor of Technology in Information Technology, CGPA - 9.62

Surathkal, Karnataka

2021 – Present

PROJECTS

CLI Tool for File Transfer with Compression | *Python*

January 2023

- Implemented Huffman Coding for multiple file formats such as images, PDFs etc.
- Used socket programming to send files from one user to the other on the same network
- Created a command line interface with selected files being compressed, and then sent

Prediction of CPU Burst Time Using Machine Learning | *Python, Keras, Scikit-Learn*

May 2023

- CPU burst time refers to the amount of time a process requires to complete its execution on the CPU
- Optimal CPU scheduling algorithms such as SJF and SRTF require knowledge of CPU burst time
- Tested a variety of models such as KNN Regressor, Random Forest and Neural Nets to get accurate predictions
- Outperformed existing algorithms for the given dataset and achieved a maximum accuracy of 97.18%

Campus Food Delivery Web App with Django | *Python, Django, Bootstrap*

May 2023

- Developed a user-friendly web application enabling students to select restaurants, choose food items, and place delivery orders
- Implemented a dashboard for restaurant administrators, allowing them to manage received orders, view order details, and update order statuses
- Created a customer dashboard, with all orders and their respective status
- Integrated payment functionalities using the PayPal API

Counterfeit Product Identification Using Blockchain | *Solidity, Truffle, NodeJS*

January 2023

- Used Blockchain to identify counterfeit products
- Successfully deployed on a local Blockchain Network using Ganache
- Implemented QR Code creation and recognition
- Integrated the MetaMask API for account management

TECHNICAL SKILLS

Languages: C++, Python, C, MySQL, Solidity, JavaScript

Libraries/Frameworks: Git, Django, Pandas, NumPy, Keras, Matplotlib, Truffle

EXTRA CURRICULAR ACTIVITIES AND ACHIEVEMENTS

Association for Computing Machinery, NITK

November 2022 – Present

Club Member

Sanganitra SIG

- Worked on the back-end of a blockchain based solution to counterfeit product identification
- Set questions for club event Cryptic

Literary, Stage and Debating Society NITK

February 2022 – Present

Executive Member

QuizSoc

- Participated in several intra-college quizzes

Entrepreneurship Cell NITK

June 2022 – Present

Club Member

Finance

- Worked in the Marketing team for the flagship event E-Summit

IEEE Praelium | *IInd Place*

November 2022

- Placed 2nd in a competitive coding contest conducted by IEEE NITK

Codeforces

Present

- Achieved a maximum rating of 1396