



# CHIRATH ABEYMANNA

COMPUTER SCIENCE UNDERGRADUATE



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Chirath Abeymanna



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Colombo, Sri Lanka



<https://chirath.netlify.app/>

## PROFILE

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A dedicated Computer Science undergraduate with a strong foundation in computer science principles and extensive hands-on programming experience. I am passionate about developing innovative software solutions and continuously expanding my technical expertise. My background includes leadership roles in hackathons, crafting innovative software projects, participating in student organizations all of which have strengthened my problem-solving, teamwork, and project management skills. I am driven to apply my knowledge to real-world challenges and create impactful, scalable software applications, contributing to the advancement of technology in meaningful ways.

## TECHNICAL PROJECTS

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### SKILLIFY : CAREER GUIDANCE APPLICATION

I helped in developing *skillify* web application that dynamically generates personalized skill development roadmaps for users. By analyzing a user's current skill set and desired job profile, the application provides tailored pathways to acquire the necessary skills to achieve their career goals. This innovative tool helps users bridge skill gaps, offering step-by-step guidance and relevant resources for their professional growth.

### FINANCE TRACKING SYSTEM

Developed a Finance Tracking application that allows users to monitor and manage their financial status effectively. Built using Python, it leverages the Tkinter library to provide a user-friendly and interactive interface. The tool enables users to track income, expenses, offering a comprehensive overview of their financial health.

### YOUTUBE VIDEO DOWNLOADER AND MP3 CONVERTOR

Developed an application that simplifies downloading YouTube videos, with options to convert them into audio format as needed. Built using threading and multiprocessing for efficient performance, it ensures a seamless download experience. The graphical user interface (GUI) was developed with PyQt5, providing a modern, intuitive design for ease of use. This tool combines speed, functionality, and versatility, making it a go-to solution for video and audio content enthusiasts.

### TICKET HANDLING SYSTEM

Developed a full-stack web application using Spring Boot for the backend and Angular for the frontend, streamlines the process of buying tickets for events. The platform efficiently handles multiple vendors and customers, enabling seamless transactions and a robust user experience.

### CAR PRICE PREDICTING SYSTEM

Developed a Car Price Predicting System using Python for machine learning, utilizing a linear regression model to estimate vehicle prices based on various factors such as make, model, year, mileage, and other relevant attributes. By employing data preprocessing, feature selection, and a robust regression approach, the system delivers accurate, data-driven price predictions.

## TECHNICAL SKILLS

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- Python
  - Tkinter
  - PyQt5
  - TensorFlow
- Java
  - Spring Boot
- HTML & CSS
- Javascript & Typescript
  - React js
  - Next js
  - Angular
  - Node js

## SOFT SKILLS

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- Leadership
- Team work
- Time management
- Adaptability

## LANGUAGES

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- English
- Sinhala

## EXTRA CURRICULAR ACTIVITIES

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- Member of IEEE Global Society
- Member of IEEE Robotics and Automation Society

## REFERENCES

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### SACHINI BAMBARANDA

BSc(UOR), MIT(Col),MSc(LiU)

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Designation as Visiting lecturer

### BUDDHIKA CHATHURANGA

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Senior Software Engineer @ Geveo

## EDUCATION

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### BSC. (HONS) COMPUTER SCIENCE

#### INFORMATICS INSTITUTE OF TECHNOLOGY

2023 - Present

Year 1 - Passed all 6 modules with 120 credits

Average marks - 71 %

Year 2 - 6 modules currently taking

- Object Oriented Programming
- Database Systems
- Client - Server Architecture
- Software Development Group Project
- Machine Learning and Data mining
- Algorithms: Theory, Design and Implementation

### G.C.E. ADVANCED LEVEL EXAMINATION

2020 - 2023

Achieved 2 Distinction passes (A) which includes Information and Communication Technology and accounting. A very good Pass (B) for Economics

### G.C.E. ORDINARY LEVEL EXAMINATION

2017 - 2019

Achieved 6 Distinction passes (A) which includes English, Mathematics and Information and Communication Technology

## CERTIFICATIONS

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- Code Rally 24 hour hackathon participation Certificate
- IEEE Xtreme 18.0 hackathon partici