



# CHIRATH ABEYMANNA

COMPUTER SCIENCE UNDERGRADUATE



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Chirath Abeymanna



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Colombo, Sri Lanka



<https://chirath.blog/>

## PROFILE

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A dedicated Computer Science undergraduate with a strong foundation in programming and a passion for developing innovative software solutions. Through hackathons, student organizations, and hands-on projects, I've honed my problem-solving, teamwork, and leadership skills. My goal is to build scalable, impactful applications that drive technological advancement and solve real-world challenges.

## 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.

**Technology Stack - Next js, Next Auth, Mongo db, Flask, Git Bash**

### 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

**Technology Stack - Spring Boot, Angular js. MySQL**

### CAR PRICE PREDICTING SYSTEM

Developed a Car Price Prediction System using Python and machine learning, leveraging linear regression for accurate price estimates based on vehicle attributes.

**Technology stack - Pandas, Numpy, Scikit-learn, Matplotlib**

### 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.

**Technology Stack - Python, Tkinter**

### YOUTUBE VIDEO DOWNLOADER AND MP3 CONVERTOR

Developed a YouTube video downloader with audio conversion, optimized with threading and multiprocessing for efficiency. Built with PyQt5, it offers a modern, intuitive GUI for a seamless user experience.

**Technology Stack - Python, PyQt5**

## EDUCATION

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### BSC. (HONS) COMPUTER SCIENCE

#### INFORMATICS INSTITUTE OF TECHNOLOGY

2023 - Present

Year 1 - Passed all 6 modules with 120 credits

- Software Development I
- Computer System Fundamentals
- Mathematics for computing
- Web Development
- Software Development II
- Trends in Computer Science

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
- IEEE Xtreme 18.0

## TECHNICAL SKILLS

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### Languages

- Python
- Java
- HTML & CSS
- Javascript
- Typescript

### Databases

- MySQL
- MongoDB

### Frameworks

- Next.js
- React
- Angular.js
- Spring boot
- Tailwind CSS

## SOFT SKILLS

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- Leadership
- Team work
- Time management
- Adaptability

## EXTRA CURRICULAR ACTIVITIES

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

## REFERENCES

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### SACHINI BAMBARANDA

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

Designation as Visiting lecturer

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### BUDDHIKA CHATHURANGA

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