



# ABARNIGA

SIVABALASUNDARAM  
COMPUTER SCIENCE  
UNDERGRADUATE

## CONTACT

EMAIL  
abarnigasivabalasundaram@gmail.com

PHONE  
+94 77 822 9361

LOCATION  
Colombo, Sri Lanka

LINKEDIN  
linkedin.com/in/abarniga-sivabalasundaram

GITHUB  
github.com/abarniga23

## TECHNICAL SKILLS

### LANGUAGES

JavaScript Python Java  
HTML5 CSS

### WEB DEVELOPMENT

React.js Node.js Express  
MERN Stack Tailwind CSS  
Responsive Design

### AI / DATA SCIENCE

Scikit-learn TF-IDF Feature Eng.  
Data Preprocessing

### TOOLS & DATABASES

Git/GitHub MongoDB MySQL  
Figma Canva

### INTERPERSONAL

Team Leadership Problem Solving  
Agile

## LANGUAGES

English Professional

Tamil Native

Sinhala Conversational

Hindi Elementary

## EXTRACURRICULAR

- Chess – Team Member, St. Bridget's Convent
- Badminton – Team Member, St. Bridget's Convent
- Tamil Society – Committee Member, St. Bridget's Convent

## Profile

First-year Computer Science undergraduate at IIT affiliated with the University of Westminster. Experienced in building full-stack web applications and AI-driven systems. Proven Team Leader with a track record of coordinating group technical projects and serving as ICT Society Vice President. Fluent in English and Tamil with a passion for web development and emerging technologies.

## Leadership & Experience

### Team Leader – Web Development Coursework

IIT

- Led a five-person development team to design and implement a technical web project.
- Managed task delegation, project timelines, and group communication to ensure successful delivery.
- Facilitated collaboration between frontend and backend developers to maintain project consistency.

### Vice President – ICT Society

St. Bridget's Convent

- Directed society initiatives and events, fostering a community of tech enthusiasts.
- Collaborated with committee members to organize workshops and skill-building sessions.

### Volunteer – IEEE Robotics & Automation Society

IIT

- Supported the RobotNexus 3.0 Industry Outreach Team.

## Education

### BSc (Hons) in Computer Science

IIT affiliated with the University of Westminster (UOW)  
Sep 2025 – Apr 2029

### Primary & Secondary Education

St. Bridget's Convent, Colombo 7  
Jan 2012 – Apr 2025

## Key Projects

### Anime Recommendation System

- Developed a content-based filtering engine using Python to recommend media based on user preferences.
- Implemented TF-IDF Vectorization and Cosine Similarity algorithms for high-accuracy matching.

### Flight Delay Prediction System

- Engineered a machine learning model to predict arrival delays using Python and Pandas.
- Evaluated multiple classification models including Random Forest and Logistic Regression to optimize performance.

### The Task Nest – Full-Stack Web App

- Built a comprehensive task management tool featuring full CRUD (Create, Read, Update, Delete) functionality.

## Certifications & Achievements

- COMPLETED** Web Design & Development (3 months) – SLIIT
- COMPLETED** Artificial Intelligence (3 months) – SLIIT City University
- ONGOING** Cyber Security & Networking (2.5 months) – IIT
- IEEE** Participation in IX 25, Model X & Cyber Quest Workshop – IIT

## References

### Sureshan Suntharalingam

Partner, AVN Super Plastic

+94 77 738 0876  
surenavn@gmail.com

### Damantha Silva

Lecturer, IIT

+94 74 244 3389  
damantha.s@iit.ac.lk