


+91 8428276768 

# YUGESH PADMANABAN V

yugee03@gmail.com 

Pre Final Year Student

LinkedIn 

Github </>

Chennai, India 

## SUMMARY

Aspiring undergraduate student pursuing B.Tech. in Computer Science and Engineering (Cybersecurity and IoT), with a strong foundation in research and project development. Experienced in designing innovative IoT solutions with a passion for software development, leveraging machine learning and AI for real-time data analytics and predictive modeling. Demonstrated leadership in collaborative team projects, delivering impactful results in fields like healthcare technology and data security. Passionate about solving complex challenges and eager to contribute to cutting-edge advancements in AI, cybersecurity, and IoT.

## EDUCATION

**New Prince Shri Bhavani Senior Secondary School (CBSE)** 2015- 2022

Grade 10 - 86%

Grade 12 - 76%

**Sri Ramachandra Institute of Higher Education and Research** 2022-2026

B.Tech Computer Science Engineering  
[Cybersecurity & IoT] - **CGPA: 8.8**

## SKILLS

- Web Development
- CyberSecurity
- Sensors
- Python, C
- Android Development
- Data Visualization
- SQL

## PERSONAL SKILLS

- Versatile across domains, I've gained hands-on experience in frontend development, IoT systems, and AR technologies; adaptable to diverse tech stacks and collaborative environments.
- Detail-oriented and able to handle multiple tasks simultaneously
- Enthusiastic about emerging technologies with a proven ability to research, learn, and implement innovative solutions in AR, Unity, and IoT through hands-on project execution.

## CERTIFICATIONS

- Search Engine Optimization with Squarespace on Coursera

## INTERNSHIP EXPERIENCE

**XYMA Analytics PVT Ltd.** 19th Aug - 22nd Oct, 2024

### ANALYSIS OF AUGMENTED REALITY AND IOT INTEGRATION FOR REAL-TIME SENSOR DATA VISUALIZATION

- Developed POTLINE, an Unity-based AR mobile App enabling real-time, interactive 3D sensor visualization for IoT devices with 108 dynamic sensors, providing enhanced user engagement through color-coded temperature changes, live data tracking, and a detailed Report Page with bar graph visualizations.
- Implemented secure login with API integration and user validation, alongside additional features like AR model screenshot capture, seamlessly bridging IoT data monitoring and interactive AR experiences for an immersive user interface.

**Qwings at IITM** 19 Feb - April 2024

### ENCRYPTECT: ADVANCED CRYPTOGRAPHIC PROTOCOLS FOR SECURE FILE ENCRYPTION AND DECRYPTION

- Created a secure web application with an intuitive interface for file uploads, allowing users to seamlessly perform encryption or decryption tasks.
- Implemented advanced security measures to protect data throughout the process, with features for securely sharing encrypted or decrypted files and real-time notifications upon task completion.

**Qwings at IITM** May - July 2023

### IoT Developer

- FingerVault: IoT Based Door Lock system using FingerPrint sensor


**Igenuine Soft Solutions** May - July 2023

### FarmFresh - An E-commerce Web Application

- This e-commerce website is dedicated to providing convenient access to fresh, home-grown vegetables, ensuring high-quality produce for all customers.
- Connecting local growers with a broader market, we promote sustainable practices and support community agriculture.

# YUGESH PADMANABAN V

Pre Final Year Student

+91 8428276768 

yugee03@gmail.com 

[LinkedIn](#) 

[Github](#) 

Chennai, India 

## PROJECT EXPERIENCE

- **SmartTrack: IoT-Powered Railway Accident Avoidance System** with Dynamic Hazard Alerts and Tracking
- **SpeechGen: ML-Powered Speech Therapy Application** for Children with Speech Enhancement and Progress Tracking
- **PiScan: Raspberry Pi-Powered Network Surveillance and Port Vulnerability Scanner** for Real-Time IP Monitoring and Threat Detection on Local Networks
- **ThermoGuard: AR Mobile App** for Real-Time Temperature Monitoring and Predictive Maintenance of Critical Machines
- **EmpowHER: A Technology-Driven Mobile App Empowering Women** through Intelligent Health Insights, Employment Tools, and Security Features
- **ServiceLink: End-to-End Network Configuration and Service Deployment** for HTTP, DNS, DHCP, and Email in Local Networks
- **UnTuned: A JavaScript-Powered Music Application Delivering Interactive Playback Experience** Through a Modern Web Interface
- **I4U: A Progressive Dating App Backend System Designed to Foster Meaningful Connections** Based on Emotional Intelligence, Compatibility and Shared Interests
- **MigraineAssist: A Patient-Centric Flutter App for Daily Migraine Logging**, Trigger Pattern Detection, and Preventive Analytics
- **AgriSafe: A Web Application Supporting Indian Farmers with Rented Crop Depositories** to Ensure Fair Market Pricing and Reduce Post-Harvest Losses.
- **BookTrackR: R-Powered Book Data Analysis and Visualization Engine** for Real-Time Trend Mapping, Genre Popularity Insights, and Reader Preference Profiling
- **SharkSight: Data Visualization Approach Using Tableau** to Analyze Funding Patterns and Entrepreneurial Success Factors

## DEVELOPMENT ENVIRONMENT AND TECHNOLOGY STACK

- UNITY HUB
- ANDROID STUDIO
- AUGMENTED REALITY
- ARDUINO IDE
- PACKET TRACER
- TABLEAU

## RESEARCH WORK

- **Security and Privacy in IoT-Integrated Wireless Networks: A Systematic Literature Review from 5G to 6G**
- **Framework for Remote Environmental Sensing in Augmented Reality: Real-time Temperature Data Integration with AR Foundation and IoT**
- **Stroke & Neurological Deficit Assessment System**
- **Smart Dental Implants: IoT-Enabled Force Sensing Resistor Sensors for Real-Time Monitoring and Early Detection of Implant Failure**