**JAGANATHAN** Computer Science & Engineering Student | Aspiring Innovator | Data Science & AR Enthusiast

### ****CONTACT****

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* **GitHub:** https://github.com/J-Jaganathan
* **Portfolio:** https://jaganathan-j-portfolio.vercel.app/
* **Location:** Chennai,Tamil Nadu, India.

### ****PROFILE SUMMARY****

Driven and ambitious Computer Science & Engineering student with a strong foundation in app development, data science, and augmented reality (AR). Passionate about leveraging technology to create groundbreaking solutions. Adept at leadership, problem-solving, and working on innovative projects, including patents. Experienced in web development, cloud technologies, and AI-driven applications. Seeking opportunities to contribute my skills and grow in a challenging, high-impact environment.

### ****EDUCATION****

**Bachelor of Engineering (B.E.) in Computer Science & Engineering**  
Anna University, 2026

* Achieved admission through DOTE counseling
* Strong foundation in programming, system design, and database management

### ****TECHNICAL SKILLS****

* **Programming:** C, Java, Python, JavaScript, HTML, CSS
* **Database:** Firebase, MongoDB
* **Web Technologies:** WebSockets, React, Node.js
* **Data Science & AI:** Machine Learning, SARIMA, Predictive Analytics
* **Cloud & APIs:** Google Firebase, REST APIs
* **Version Control:** Git, GitHub
* **Other Tools:** AR Development, Cybersecurity Concepts, Software Engineering Principles

### ****PROJECTS & INNOVATIONS****

#### ****WebNHealth: Proximity-Based Notification System****

* Developed and filed a patent on temporal mapping for healthcare provider availability
* Implemented **SARIMA model** for predictive analytics
* Designed a notification system to optimize patient care

#### ****Grocery Helper Website****

* Created and deployed a website using JavaScript, HTML, CSS, and Firebase Realtime Database
* Enabled users to store and retrieve grocery lists efficiently
* Hosted on Netlify for public access

#### ****Laptop Communication via WebSockets (Chat App)****

* Implemented a **GUI-based chat application** for laptop-to-laptop communication
* Used Java and WebSockets to enable seamless messaging

#### ****AR-Based E-Commerce Product Try-On**** (Ongoing)

* Researching Google’s database services for implementing an **accurate AR try-on feature**
* Exploring cloud-based AR solutions for mapping products onto user body parts

### ****EXPERIENCE & LEADERSHIP****

#### ****Class Representative – 3rd Year CSE B****

* Managed attendance, student coordination, and event-related tasks
* Demonstrated leadership and organizational skills in academic and extracurricular activities

### ****CERTIFICATIONS & TRAINING****

* Cloud Computing
* Introduction to MongoDB for Students
* Advanced R Programming for Data Analytics in Business

### ****KEY ACHIEVEMENTS****

* Published a **patent** on **temporal mapping in healthcare**
* Gained **600+ LinkedIn followers** and built a network of professionals
* Successfully led multiple tech projects from ideation to deployment
* Developed and hosted a **fully functional web application** independently

### ****SOFT SKILLS****

* Leadership & Team Coordination
* Problem-Solving & Critical Thinking
* Research & Innovation
* Communication & Presentation
* Adaptability & Continuous Learning

### ****FUTURE GOALS****

* Implement AR in e-commerce for realistic product try-on
* Advance my expertise in **AI-driven applications & cloud computing**
* Monetize projects and innovations for large-scale impact
* Build a **tech-focused business or startup**