



# Jaghan Vishwanathan Ayyappan

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## ABOUT ME

As an industrious and ambitious individual with a proven track record of effective communication, I am actively seeking opportunities within higher education where I can apply my knowledge and skills to contribute meaningfully to the institution's mission and objectives.

## WORK EXPERIENCE

### Associate Engineer - Full Stack Developer

**Virtusa Consulting Services Pvt Ltd** [ 24/05/2022 – Current ]

City: Chennai | Country: India

- Deliver technical solutions for project requirements with precision and attention to detail.
- Implement performance optimizations to enhance the speed and efficiency of both front-end and back-end code.
- Implement security best practices to protect against common web vulnerabilities such as SQL injection, cross-site scripting (XSS), and cross-site request forgery (CSRF).
- Implement user authentication and authorization mechanisms using techniques like JWT (JSON Web Tokens) and OAuth.
- Write unit tests, integration tests, and end-to-end tests to ensure code reliability and maintainability.

### Intern - Full Stack Developer

**Virtusa Consulting Services Pvt Ltd** [ 01/2022 – 04/2022 ]

City: Chennai | Country: India

- Document code, APIs, and system architecture to facilitate future maintenance and onboarding of new team members.
- Design and implement user interfaces with a focus on usability and aesthetics.
- Collaborate efficiently with team members.
- Enhance code quality through rigorous development practices and optimization methodologies.

## EDUCATION AND TRAINING

### Bachelor of Engineering (B.E.)

**R.M.K. College of Engineering and Technology** [ 06/2018 – 04/2022 ]

City: Chennai | Country: India | Field(s) of study: Electronics and Communication Engineering | Final grade: 7.93/10

### Higher Secondary - State Board of Tamil Nadu

**Velammal Matriculation Higher Secondary School** [ 06/2016 – 03/2018 ]

City: Chennai | Country: India | Final grade: 74.75%

## Secondary School - State Board of Tamil Nadu

*Velammal Matriculation Higher Secondary School* [ 06/2015 – 03/2016 ]

City: Chennai | Country: India | Final grade: 90%

### PROJECTS

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**PlazaPalooza** Plazapalooza is an innovative board game where players deploy their AI Bots for strategic clashes. Our platform manages all server API calls, seamlessly integrating bot actions into the user interface for an immersive gaming experience.

**Detection of Bone Fracture using Image Processing** Our project leverages MATLAB, image processing, and machine learning to detect bone fractures efficiently. Advanced algorithms analyze medical images, ensuring swift and accurate diagnosis for improved patient care.

**Integrated Soldier Security System** A device which tracks the location and necessary vitals of a soldier and actively records what the soldier sees and sends live satellite data to finish his tasks safely and effectively

**Biometric Attendance using Cloud** "Biometric Attendance using Cloud" is a system enabling secure and efficient employee attendance management through biometric verification, seamlessly integrated with cloud-based storage and analysis.

**E-Kart** An Angular-powered E-commerce platform, reminiscent of Flipkart, prioritizes seamless transactions, intuitive browsing, and robust administrative tools for sellers. With authGuard meticulously implemented on every page, we ensure stringent security measures, safeguarding sensitive data and transactions, thereby fostering trust and confidence among our esteemed users.

### CERTIFICATIONS

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#### Oracle Certified Associate (OCA) Java SE 8 Programmer I

Oracle

#### Foundations of UX Design

Google

#### International English Language Testing System (IELTS)

Overall Band Score : 8

### DIGITAL SKILLS

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Angular / TypeScript / RxJS / JavaScript / Java / Git / Spring (Spring Boot, Spring Security) / Maven / CSS / HTML / React / C / Python / SQL / User Experience Design (UX) / Figma / AWS