

# V. ARIKRISHNAN

## Software Engineer

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## SUMMARY

Adaptable and self-motivated Full-Stack Developer with hands-on experience in building responsive web applications using HTML, CSS, JavaScript, React, Node.js, MySQL, and MongoDB. Skilled in developing RESTful APIs, handling backend logic, and creating smooth user interfaces. Passionate about solving real-world problems through clean code and efficient design. Eager to grow in a collaborative environment and contribute to meaningful projects.

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## TECHNICAL SKILLS

- Backend Development: Node.js, Express.js, Python (Flask, FastAPI)
  - Frontend: React.js (Basic), HTML, CSS, Bootstrap, Javascript
  - Databases: MongoDB, MySQL, PostgreSQL, Redis
  - Authentication & Security: JWT, OAuth2, Encryption
  - Performance Optimization: Caching (Redis), Query Optimization, WebSockets
  - DevOps & Tools: Git, GitHub, AWS (EC2, S3, Lambda), Postman
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## WORK EXPERIENCE

### Junior Backend Developer – MAKVISHAN Technology

Jan 2024 – May 2025

- Developed scalable RESTful APIs using Node.js, Express.js, and Python.
  - Optimized MongoDB & MySQL queries, reducing API response time by 30%.
  - Implemented JWT & OAuth2 authentication for secure user access.
  - Integrated third-party APIs for payment processing and notifications.
  - Developed real-time features using WebSockets and Redis caching.
  - Followed Agile methodologies, Git version control, and CI/CD pipelines.
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## PROJECTS

### EasyPlay (Real-Time Gaming Platform)

- **Technologies:** Node.js, WebSockets (for real-time communication), MongoDB
- **Description:** A platform for playing real-time multiplayer games, where players can compete against each other in various games. It uses WebSockets for seamless real-time interactions. Optimized database queries & caching, handling 50,000+ concurrent users.

### FuturX ( student career guidance for higher studies)

- **Technologies:** Node.js, MongoDB
- **Description:** A backend system designed to assist students in making informed decisions about their career paths and higher education. It offers valuable resources and tools for academic and career planning. Developed a high-performance market data API using Node.js. Implemented rate-limiting and caching, resulting in a 40% reduction in API latency.

### EvDyri (Secure Management of Event Assets and Gifts)

- **Technologies:**
  - Frontend :**React.js, CSS, Bootstrap, Javascript,
  - Backend :**Node.js, Express.js, JWT, MongoDB
  - Mobile App:** React Native
- **Description:** Developed a scalable backend system for event scheduling and management, enabling users to create, organize, and attend events with ease. Integrated features include automated reminders, push notifications, and RSVP tracking for seamless event coordination. The system also incorporates automatic encryption and decryption for secure data transmission, invoice generation, and timely reminders to ensure smooth event management.

**SOFT SKILLS**

- ✓ Problem-Solving & Debugging
  - ✓ API Design & Optimization
  - ✓ Scalability & Performance Tuning
  - ✓ Teamwork & Agile Development
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**LANGUAGE**

**Writing & Speaking**

- ✓Native -Tamil
- ✓Basic - English

**Speaking**

- ✓Basic - Kannada
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**EDUCATION**

<b>Bachelor of Science in Botany</b>	<b>Aug 2019- june2022</b>
Thiruvalluvar University, <ul style="list-style-type: none"><li>• Government Arts and Science College,</li><li>• Tiruvannamalai - 73%</li></ul>	
<b>Higher Secondary (HSC)</b>	<b>June 2018 – May 2019</b>
<ul style="list-style-type: none"><li>• Danish Mission Higher Secondary School,</li><li>• Tiruvannamalai – 54%</li></ul>	
<b>Secondary School (SSLC)</b>	<b>June 2016 – March 2017</b>
<ul style="list-style-type: none"><li>• Government Higher Secondary School,</li><li>• Thachampattu – 75%</li></ul>	