

JAYMITHRAN RADHAKRISHNAN

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SUMMARY

Versatile developer with strong foundations in Python, Java, Computer Networking, and AI/ML, experienced in building intelligent and automation-driven solutions. Passionate about solving real-world problems, developing scalable systems, and continuously learning through hands-on projects and coding practice.

TECHNICAL COMPETENCE

Programming Languages	Python, Java, C, JavaScript
Frameworks	ReactJS, FastAPI, Express.js, Bootstrap
Web Technologies	HTML5, CSS3, REST APIs
Databases	MongoDB, MySQL
Tools	Git (GitHub), Docker, Linux, Playwright, Firebase
Core Concepts	Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks

PROJECTS

StarkAlgoLens – AI-Powered Coding Mentor *React (Vite), Tailwind CSS, Fast API, MySQL, MongoDB, Docker, Firebase, Tree-sitter, GroqAPI*

- Developed an AI-powered coding platform with a React frontend and FastAPI backend featuring code analysis, secure execution, personalized learning roadmaps, and progress tracking.
- Implemented isolated multi-language code execution for Python, Java, and C++ using Docker containers.
- Integrated AST-based analysis using Tree-sitter to estimate time and space complexity and identify code patterns.

Automated Google Form Filler *Python, Playwright, PDF parsing, JSON*

- Built a Python automation system to streamline repetitive Google Form submissions.
- Extracted structured information from PDF documents into JSON for automated processing.
- Designed rule-based field mapping to improve submission accuracy.
- Automated browser interactions using Playwright while safely handling ambiguous inputs.

Private network and virtualized infrastructure lab *pfSense, Cisco, Juniper, Proxmox*

- Designed and deployed a private on-premises network using pfSense, Cisco, Juniper, and Proxmox.
- Configured firewall policies, routing, and network segmentation to simulate enterprise environments.
- Integrated networking devices for hands-on testing of real-world infrastructure.
- Managed virtual machines and containerized services using Proxmox virtualization.

ACCOMPLISHMENTS & TRAINING

- **India Skills Competition – South Region Bronze Medalist** (IT Network System Administration)
- **Student Trainer** – Conducted a 6-month networking fundamentals training program for junior students.
- **Languages** – English, Tamil, Telugu

EDUCATION

Bannari Amman Institute of Technology, Erode *CGPA – 8.99*

Bachelor's Degree – Artificial Intelligence and Machine Learning

September 2023 – Present

Sri Gopal Naidu Higher Secondary School, Coimbatore

April 2011 – March 2023