Varun S V

Software Engineer

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# OBJECTIVE

Software Engineer with expertise in Python, automation, and AI integration. Experienced in developing scalable solutions, automating workflows, and mentoring peers. Skilled at bridging backend logic, GUI, and APIs while ensuring efficiency and reliability in software delivery.

# EXPERIENCE

**TOSHIBA SOFTWARE INDIA PVT LTD. (**April 2025 – Present**)**

**Software Engineer**

* Fine-tuned Large Language Models (LLMs) using Unsloth for domain-specific tasks.
* Developed APIs to enable seamless communication between GUI and Python code.
* Automated manual validation processes using AutoHotkey, reducing repetitive workload.
* Mentored peers in API creation and best practices.
* Managed a 2-member team, assigning tasks, reviewing deliverables, and ensuring timely project completion.

**TOSHIBA SOFTWARE INDIA PVT LTD. (**July 2023 – April 2025**)**

**Associate Software Engineer**

* Designed and developed a new algorithm to convert PLC diagrams to XML, and tested using the designed 150+ testcases
* Mentored 10+ peers in coding best practices and software development methodologies.
* Designed a code flow and initial architecture for addition of Wi-Fi to IOT device.
* Automation of 700+ Manual Test Cases, significantly enhancing testing efficiency.
* Using Python created library for the Automation testing.
* Created scripts for fuzzing test of an IOT Device.

**TOSHIBA SOFTWARE INDIA PVT LTD. (**Jan 2023 – July 2023**)**

**Trainee Engineer**

* Created GUI For the entire Automation Department.
* Created Code for encoding entire libraries into a single executable.
* Created an automated “email-reply to “system for outlook.

# EDUCATION

**Amrita School of Engineering, Chennai, Tamil Nadu (June 2019 – June 2023)**

**B. Tech (Computer Science and Engineering)**

* **CGPA:** 8.68/10.00
* **Achievements:** Rapyd Global Hackathon winners, Finalists in Intel Unnati Rapid Challenge.

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**Kendriya Vidyalaya Railway, Gandhidham, Gujarat (April 2018 – March 2019)**

**Higher Secondary Education**

* **Board:** CBSE
* **Marks:** 438/500 (87.6%)

**Kendriya Vidyalaya IFFCO, Gandhidham, Gujarat (April 2016 – March 2017)**

**Senior Secondary Education**

* **Board:** CBSE
* **CGPA: 10/10**

# TECHNICAL QUALIFICATION

**Programming Languages, Databases and Frameworks**

* **Advanced:** Python, Robot Framework
* **Intermediate:** C++, Boofuzz Framework
* **Beginner:** TCL, C, Java, SQL, Cassandra

**System Administration and DevOps**

* Self-hosting and managing home servers.
* Deploying and managing Proxmox Virtualisation servers.
* Setting up and maintaining the locally running AI models (Ollama)
* Hosting and maintaining Discord Chat Bots.

**Cloud and DevOps Services**

* Amazon web services (AWS) and Azure DevOps

# CERTIFICATION AND ADDITIONAL SKILLS

* Digital Twins
* Machine Learning
* AWS Cloud Practitioner
* Cyber Security Essentials