

Sonish Sasidharan

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Technical Skills

Programming: Java, Python, C/C++, HTML/CSS, SQL, Bootstrap, React JS, NodeJS

Tools & Framework: MongoDB, Postman API, GitHub, VS Code, PyCharm, Git, IntelliJ, Eclipse, Jupyter

Machine & Deep Learning: TensorFlow, Keras, PyTorch, Hugging Face Transformers, Spark MLlib

Camera & Imaging skills: iPhone camera field testing, manual/auto exposure, HDR, white balance, real-world content creation, Final Cut Pro, Adobe Premiere Pro, DaVinci Resolve 📷 Instagram-(Vlogging, Photography, Content Creation)

Experience

Accenture

Sep 2021 – Jun 2023

Software Engineer

Chennai, Tamil Nadu, INDIA

- Automated RESTful API testing using PyTest, Postman, and Python Requests, validating invoice generation, billing reconciliation, and client integration endpoints for 2000+ weekly transactions
- Built modular, data-driven test frameworks to support parameterized API validations across 1,000+ dynamic datasets; implemented schema checks, status code verification, and payload assertions
- Managed validation logic to cross-check invoice totals against AWS Cost Explorer and usage reports, ensuring billing accuracy across cloud resources and preventing overcharges or discrepancies in 500+ daily transactions between frontend systems and AWS infrastructure
- Performed root cause analysis for integration test failures; triaged and documented defects in JIRA, collaborating closely with backend engineers during sprint cycles

George Washington University

May 2024 – present

Technical Administrative Assistant

Ashburn, VIRGINIA

- Supported live test validation during online assessments, ensuring platform availability, grading logic accuracy, and proctoring module behavior; assisted with video-proctored testing by monitoring sessions
- Managing and organizing 900+ student data in the smart sheet, troubleshooting technical issues in real time, and facilitating communication between students, faculty, and administrative staff to enhance departmental efficiency
- Identifying and implementing improvements in advising processes and technical services to enhance the student experience and streamline departmental operations for 1000+ students

Projects

iPhone Camera Field Testing | ProRAW and ProRes

Oct 2023 - May 2025

- Pursued a self-guided study into iPhone camera performance, capturing over 500+ samples across varied lighting environments—natural daylight, low-light street scenes, indoor artificial light, and motion-rich conditions—using iPhone 14, 15, and 16 Pro Max models
- Simulated 15+ real-world use cases such as backlit portraits, night photography, macro close-ups, and handheld video stabilization to test how Apple's imaging pipeline handles dynamic user scenarios
- Used Final Cut Pro and Apple Photos to conduct 120+ A/B comparisons, applying tone mapping adjustments and visual benchmarking to analyze color accuracy, highlight control, and dynamic range
- Created detailed image quality reports using a self-defined evaluation rubric focused on exposure recovery, detail retention, and artifact detection, aligning with camera validation strategies used in industry settings

Private AI | LLAMA, Generative AI, PowerShell

March 2024

- Fine-tuned a pre-trained generative AI model (2T tokens) to build a proprietary chatbot with secure on-device deployment, ensuring high performance and data privacy in AI interactions
- This is a large language model that operates using the Retrieval-Augmented Generation method. It can leverage more than 10 databases supplied by the user to enhance its responses and generate relevant information
- Operates offline on a local host, safeguarding your sensitive data. It assists in debugging code, as well as tracking journals and documents for enhanced organization and productivity

Portfolio Website | React JS, HTML, CSS

March 2024

- Built a customized portfolio website showcasing a commitment to innovative design and artistic expression, resulting in a 40% increase in online visibility and a 25% boost in client inquiries within six months
- My website leverages more than 7 distinct components, integrating my artistic endeavors seamlessly with captivating UI/UX designs and interactive functionalities tailored for diverse platforms and user engagement

Education

The George Washington University

Aug 2023 – May 2025

Master of Science in Computer Science(SEAS Merit Tuition Award)

Washington DC

Sathyabama Institute of Science and Technology

Aug 2017 – May 2021

Bachelor of Science in Computer Science

Chennai, Tamil Nadu, INDIA