

Sonish Sasidharan

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Technical Skills

Programming: Java, Python, C/C++, HTML/CSS, SQL, Bootstrap, React JS, NodeJS
Developer Tools: MongoDB, Postman API, GitHub, VS Code, PyCharm, Git, IntelliJ, Eclipse, Jupyter
Media & Platforms: macOS, Windows, Linux, Microsoft Office Suite, Adobe, Content Creation
Machine & Deep Learning: TensorFlow, Keras, PyTorch, Hugging Face Transformers, Spark MLlib

Experience

Accenture

Sep 2021 – Jun 2023

Software Engineer

Chennai, Tamil Nadu, INDIA

- Automated RESTful API validation pipelines (PyTest, Postman, Python Requests) for 2,000+ weekly transactions, improving test coverage by 40% and reducing integration errors by 30%
- 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 with AWS Cost Explorer and usage reports, ensuring 99% billing accuracy and preventing discrepancies in 500+ daily cloud transactions.
- Strengthened client platforms by integrating RESTful APIs and optimizing media delivery using Python, Lambda, S3, and CloudFront to improve accessibility and performance
- 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 assessment validation during online assessments, monitoring video testing, ensuring platform availability, grading logic accuracy, and proctoring module behavior, and disability support service accommodation
- Developed Smartsheet and Salesforce automations along with scheduling workflows for 100+ students, boosting departmental communication efficiency by 25% and data transmission reliability by 20%.
- Identified and implemented improvements in advising processes and technical services to enhance the student experience and streamline departmental operations for 700+ students

Projects

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
- Deployed 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

Weather Forecast Website | Crystal, Kemal

November 2023

- Precise weather monitoring in a 20-mile radius, empowering users with accurate and actionable data
- Real-time weather management, Rainfall predictions, Geolocation selection, Weather alerts, and Agricultural insights

Group Media Website | JavaScript, Django, Apache Tomcat

March 2021

- A dynamic media platform for users to interact with more than 40 diverse groups for socializing and networking
- This platform is an open-concept website for seamless communication, information exchange, and knowledge sharing

Internships | Python, Arduino

Sept 2018 – Nov 2019

- Hand sign detection based on data interpretation, and cognitive AI using deep and reinforcement learning principles
- Built proximity tool to detect moving objects in a 2-meter radius distance using ultrasonic sensors, aiding user awareness

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