

Sonish Sasidharan

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EDUCATION

The George Washington University, School of Engineering & Applied Science

Washington, DC

Master of Science in Computer Science, *Specialization in Machine Learning Cognition*

Aug 2023 - May 2025

(Awarded SEAS Merit Scholarship for exceptional academic performance)

Sathyabama Institute of Science and Technology

Chennai, Tamil Nadu, INDIA

Bachelor of Science in Computer Science

Aug 2017 - May 2021

TECHNICAL SKILLS

- **Programming and Web Technologies**: Java, Python, C/C++, HTML/CSS, SQL, Bootstrap, React JS, NodeJS
- **Developer Tools**: Mongo DB, Postman API, GitHub, VS Code, PyCharm, Git, IntelliJ, Eclipse, Jupyter
- **Technologies**: Linux, macOS, Windows, Microsoft Office suite, obsidian
- **Media Tools**: Adobe, DavinciResolve, Instagram-(Blogging, Photography, Content Creation)

RELEVANT WORK EXPERIENCE

Accenture

Chennai, Tamil Nadu, INDIA

Software Engineer

September 2021 - June 2023

- Designed and implemented scalable APIs, while also overseeing daily management of portal to address service requests from clients promptly and to ensure smooth operations
- Utilized AWS cloud services to efficiently manage over 200 billing requests from clients within a week, ensuring scalability and reliability while exceeding client expectations
- Engaged in front-end and back-end development to optimize portal dynamically, adapting to more than 1000 incoming datasets and refining features for functionality

George Washington University School of Nursing

Ashburn, VIRGINIA

Student Academic Assistant

May 2024 - Present

- Managing and organizing 100+ confidential and sensitive student data in Smartsheet, scheduling meetings, and communicating between students, faculty, and administrative staff to enhance departmental efficiency
- Delivering comprehensive technical assistance, live proctoring assessment for 10+ students, including troubleshooting issues related to software, hardware, and online learning systems
- Identifying and implementing enhancements in advising and accessibility processes to improve experience for students with disabilities, while streamlining departmental operations for over 150 students

TECHNICAL PROJECTS

Private AI | LLAMA, Generative AI, PowerShell

February 2024 - March 2024

- Modified a pre-trained AI model with 2 trillion tokens of machine learning data to develop a proprietary generative AI chatbot, fine-tuned model for optimal performance within a secure on-device environment, and ensured robust functionality and privacy in AI-driven interactions
- Utilized the Retrieval-Augmented Generation method, enabling a large language model to access over 10 user-supplied databases leading to enhanced responses by generating relevant, context-aware information and more accurate and precise outputs in AI-driven interactions
- Operates offline on a local host, safeguarding your sensitive data, assist in debugging code, and tracking journals, data and documents for boosted organization and productivity

Portfolio Website | React JS, HTML, CSS

February 2024 - 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
- Integrated artistic endeavors with captivating UI/UX designs and interactive functionalities on a website, tailored for diverse platforms, resulting in a 30% increase in user engagement and a 20% boost in overall site traffic

Weather Forecast Website | Crystal, HTML

October 2023 - November 2023

- Provided precise weather monitoring in a 20-mile radius, empowering users with accurate and actionable data
- Offered real-time weather management, rainfall predictions, geolocation selection, weather alerts, and agricultural insights