

SUDHARSHAN SARAVANAKUMAR

Software Engineer Intern

sudharshan.rangas@gmail.com | +91 74185 95772 | Salem, Tamil Nadu, India

LeetCode | GitHub | Portfolio | LinkedIn

EDUCATION

Vellore Institute of Technology

Computer Science and Engineering Bachelors

CGPA: 8.33

Vellore, India

Sept 2022 - Present

SKILLS

Programming Languages: C++, Java, Python, JavaScript
Libraries/Frameworks: React, Pandas, Numpy, PyTorch, TensorFlow, Django
Tools / Platforms: Git, VS Code, AWS, Docker, Node.js
Databases: MySQL, MongoDB

PROJECTS / OPEN-SOURCE

AWS Cloud Resume | Link

HTML, CSS, JavaScript, AWS, Git

- **Optimized website performance** by implementing AWS CloudFront, **reducing latency by 60%** and improving page load times from **1.5s to 600ms**, ensuring seamless content delivery from Amazon S3.
- **Enhanced real-time analytics** by designing a DynamoDB-powered visitor tracking system, **capturing and displaying 100% of user visits**, leading to a **30% increase in user engagement** through live visit tracking with JavaScript.
- **Automated database updates** by developing an AWS Lambda function, **reducing data synchronization time by 80%**, ensuring visitor records update within **200ms** of a page visit.

Sentiment Analysis Model | Link

Python, PyTorch, Pandas, NumPy

- With this project, I aimed to develop a **sentiment analysis model** leveraging a **pre-trained model** to classify textual emotions **with 90% accuracy** on **Amazon/Yelp reviews**.
- Automated the **extraction of 1,000+ real-world reviews** using **web scraping techniques** like **BeautifulSoup, regex** to enhance training **data quality** and improve sentiment classification.
- **Optimized model efficiency by 30%** through **PyTorch-based deep learning inference**, ensuring **faster and more scalable sentiment predictions**.

Portfolio Website | Link

HTML, CSS, JavaScript, React

- **Designed and developed a responsive personal portfolio website** to showcase projects, skills, and achievements, enhancing **online visibility and professional presence**.
- **Implemented** modern web technologies like **HTML, CSS, JavaScript, and React** to create a **visually appealing and user-friendly** interface.
- **Optimized website performance by 40%** through **efficient coding practices, SEO improvements, and mobile responsiveness**, ensuring **faster load times and better user experience**.

CERTIFICATIONS

- AWS Certified Cloud Practitioner - AWS
- Microsoft Certified: Power BI Data Analyst Associate - Microsoft.
- Meta Front-End Developer Professional Certificate - Coursera.
- Microsoft Certified: Azure Fundamentals - Microsoft.
- AWS Certified Solutions Architect - Associate - AWS.
- Google Cybersecurity Professional Certificate - Google.