Nithin Shastry

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EDUCATION

Indiana University Bloomington Indiana, USA
*Master of Science, Computer Science; **GPA: 3.9/4.00*** *Aug 2022 – May 2024 (Expected)*

Siddaganga Institute of Technology Tumkur, India
*Bachelor of Engineering, Information Science and Engineering; **GPA: 8.75/10*** *Aug 2015 – May 2019*

PROFESSIONAL EXPERIENCE

Indiana University Bloomington Bloomington, USA
Associate Instructor *Aug 2023 – Present*

- Evaluated existing content and contributed new content to lesson plans, solutions to assignments and course content
- Provided guidance, answered queries of **150 plus students** via email, online discussion boards and office hours
- Conducted practical **lab sessions** twice a week for **70 plus students** and supervised examinations conducted in the course

Indiana University Bloomington Bloomington, USA
Web developer *July 2023 – Aug 2023*

- Gathered customer requirements, showcased expertise by developing a **customizable portfolio website** that seamlessly adjusts to diverse device screen sizes
- Utilized **HTML**, **CSS**, and **JavaScript** for the creation of responsive and adaptable websites

Siemens Technology and Services Pvt. Ltd. Bengaluru, India
Software developer *Jul 2019 – Apr 2022*

- Developed a web-based application TIA Portal Add-ins Store using **React.js** facilitating Siemens internal customers to seamlessly download add-ins from the add-ins store
- Implemented **CSS module-based styling** for the application
- Enhanced the application by **integrating image support in content** and implementing a **file extension validator** during add-in file uploads
- **Shimmer UI** was integrated into application to provide better UI feel to users
- Worked with **Redux thunk** that acts as a middleware to update/access the Redux store with asynchronous data
- Implemented dashboard using Python which displays a list of tests associated to each team based on nightly build tests
- Fixed **C++ issues** related to **memory leaks** and reduced code violatons by 2%
- Utilized **Agile methodology**, including daily stand-up meetings, one-on-one meetings, to ensure timely project delivery and collaboration with team members

PROJECTS

Revision Problems Email Notification | *GitHub*
- Utilized **Javascript**, **Google sheet APIs** to generate automated email notifications so that problems solved in leetcode can be revised in timely fashion

Analysis of Neural Style Transer Algorithm in AWS Serverless and EC2
- Sprearheaded the development of a high performance **Python/Django application**, seamlessly integrating **AWS services** to enable efficient **neural style transfer** on large datasets in a **serverless** and **EC2 environment**
- Conducted comprehensive comparative analysis of the algorithm's performance using **Data Dog** and **AWS CloudWatch**, providing valuable insights into system behavior and identifying areas for further optiimization

Generic Stack library using C++ | *GitHub*
- This project allows the user to create stack of different datatypes using a single program.

Skills

Programming: JavaScript, React, Redux, Node.js, Express.js, C++, Python, Java, HTML, CSS, Bootstrap
Technologies: Github, SQL, PostgreSQL, Visual Studio, VS Code, TFS, Git, Resharper, Excel, Docker
Operating Systems: Windows, Unix, Mac
Cloud Technologies: AWS EC2, AWS Serverless, Data Dog, AWS CloudWatch

Co-Curricular Activities

Siemens Bangalore Toastmasters Club
- Assumed a leadership role as **Associate Treasurer** for a term in the club, successfully reducing costs by 5% through effective financial management and cost-saving initiatives

Heartfulness Meditation
- Volunteered and attended the inauguration of the **world's largest meditation center** in Hyderabad, India

Equity/Options trader
- Intraday trader and swing trader, I can perform technical analysis on stocks