

ASHWINKUMAR AJITHKUMAR PILLAI

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EDUCATION

University of Georgia, GPA: 3.92/4.00 Aug 2022 - May 2024
Master of Science in Computer Science Athens, GA

L. D. College of Engineering, GPA: 9.75/10.00 Aug 2017 - Jun 2021
Bachelor of Engineering in Computer Engineering Ahmedabad, India

SKILLS

Programming Languages : C, C++, Java, JavaScript, Python, SQL, Rust
Tools : Visual Studio Code, Google Colab, Jupyter Notebook
Development and Database : Angular, React, NodeJS, Ionic, MySQL, MongoDB, Spring Framework, HTML, CSS
Source Control : Git, Docker

WORK EXPERIENCE

Teaching Assistant Sep 2022 - May 2024
School of Computing, University of Georgia Athens, GA

- Recipient of the **"Outstanding Teaching Assistant"** Award in recognition of exemplary contributions and dedication to Software Engineering class.
- Reduced grading time from 2+ hours to **less than 20 seconds** by implementing an automated **peer evaluation website** for a class, ensuring uniformity and integrity of submissions.
- Significantly contributed to the quality of student learning in the Software Engineering class of around 150 students as a proactive teaching assistant, providing thorough grading, personalized feedback, and accessible weekly office hours support.

Associate Software Developer | [JavaScript, Java, NodeJS] Aug 2021 - Jul 2022
Accenture Solutions Pvt. Ltd. Bangalore, India

- Developed coverage rules in JavaScript for an insurance company, ensuring efficient implementation of business logic.
- Conducted thorough unit testing to validate the functionality and reliability of the coverage rules
- Demonstrated strong teamwork and collaboration skills by actively contributing to a development team, while also taking on the responsibility of onboarding new team members.
- Worked in an Agile environment, participating in sprint planning, daily stand-ups, and retrospectives.

Front end Developer Intern | [Ionic, Angular, Front-end development] Jun 2019 - Feb 2020
Zifcare Self Development App Ahmedabad, India

- Focused on the front-end development of a mobile application for both Android and iOS platforms. Also worked on the development of the website.
- Took ownership of the entire "Mood Journal" component, designing and developing its user interface to ensure a seamless and intuitive user experience.
- Contributed to the design and development of other key features of the application, including the "Focus" tab, "News-feed," and "Chat Bot," working on their design and implementation throughout various iterations.

PROJECTS

TA assignment for School of Computing | (UGA), [Python] Sep 2023 - May 2024

- Automated TA assignment process using the Hungarian Algorithm to optimize assignments based on class schedules, TA availability, and instructor preferences.
- Developed a local database and conflict matrix to store information and evaluate criteria, ensuring efficient and conflict-free TA allocations.
- Designed user-friendly HTML views to display TA assignments and detailed conflict breakdowns, enhancing transparency and ease of use for department staff.

Sorting Visualizer | [React] Jan 2022 - Feb 2022

- Developed a sorting visualizer using React, featuring bubble, insertion, selection, and merge sort algorithms for visualizing sorting operations.
- Incorporated user customization by allowing the adjustment of array size and visualization speed, providing a flexible and interactive learning experience.

Learn Morse Code | MERN Stack Application, [React, Node.js, MongoDB, Express.js] Oct 2020 - Nov 2020

- Developed an interactive website for learning Morse code, allowing users to generate Morse code sounds by pressing keys or on-screen buttons.
- Implemented progressive tutorial levels introducing letters, interactive quizzes, and user profiles with a login/register system for a personalized learning journey.