Ayushman Bilas Thakur

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Education

Master of Science in Computer Science (Cybersecurity)   Aug 2022 - May 2024
Arizona State University, Tempe, Arizona, United States of America   GPA: 3.33/4.00

Bachelor of Technology in Computer Science and Engineering   Aug 2018 - July 2022
Kalyani Government Engineering College, Kalyani, India   GPA: 9.42/10.00

Skills

Front-End Development: HTML5, CSS3, JavaScript, TypeScript, React.js, Vue.js, Svelte, Tailwind CSS
Back-End Development: Node.js, Express.js, Flask, Django, MongoDB, MySQL
Programming Languages: Python3, C, C++, Java
Other Skills: Figma, Flutter, Git, Communication, Teaching, Blog Writing, Linux Kernel

Professional Experience

Grader, Arizona State University, Tempe, Arizona, United States   Jan 2023 - Dec 2023
- Graded 10 different coding-based assignments of over 80 students over two semesters - Spring 2023 and Fall 2023 in a graduate-level Advanced Operating Systems course.
- Hosted office hours for 1 hour every week to answer the doubts of students about assignments.
- Contributed to midterm and final exam evaluation and uploading final results over a tight deadline.

Instructor, Introduction Computer Center, Kolkata, India   Jan 2021 - Jul 2022
- Taught over 30 students from different age groups about the basics of programming languages like C, C++, Java, Python, and SQL.

Full Stack Web Developer Intern, Kesowa, Kolkata, India   Sep 2020 - Dec 2020
- Boosted productivity by 50% by implementing a web-based dashboard to upload data generated by drone mappings for the clients from the administrative end, without any interference.
- Handled upload of image files of size over 500MB and handled efficient delivery of those images.
- Implemented a Vue.js-based frontend connecting to a MongoDB-based database reducing data entry mistakes by 32%.

Full Stack Developer, Mind Webs, Kolkata, India   Mar 2019 - Sep 2020
- Worked on 7 different client projects ranging from custom WordPress solutions to custom websites with complex backends.
- Collaborated on a business-oriented link-shortening application which benefited local businesses.

Personal projects

Useful Sites React.js, Express.js, MongoDB; useful-sites.netlify.app   Aug 2021 – Sep 2021
- Developed a mobile-first UI with React.js and interactivity implemented using Typescript.
- Implemented data persistence through a MongoDB-based database with MongoDB atlas.
- Established an efficient REST API using Express.js to seamlessly interact with the MongoDB database, with important security measures like CSRF protection.

Odd n Even HTML5, CSS3, JavaScript; oddneven.netlify.app   Apr 2020 – May 2020
- A small game with features like swipe gestures, local storage for saving high scores and sound playback. This game explains my skills with HTML5, CSS3 and JavaScript and finishing up a complete project.

Community Activity

Group Member, Developer Students' Club KGEC, India   Jul 2019 - Jul 2021
- Orchestrated a well-received online webinar in 2020, educating 50 students about building a web application and connecting that application with an IoT device, showcasing effective communication and teaching skills. Also participating in weekly meetings to discuss further development