

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

Bachelor of Technology in Computer Science and Engineering

Aug 2018 – Jul 2022

Maulana Abul Kalam Azad University of Technology (Former West Bengal University of Technology)

Skills

Front End Development:	HTML5, CSS3, JavaScript, TypeScript, (Front end frameworks) React.js, Vue.js, Svelte, Tailwind CSS
Back End Development:	Node.js, Express.js (Node-based framework), Python 3, Flask (Python-based framework), Django (Python-based framework), MongoDB, Mongoose (ORM), SQL
Other Dev Related Tools:	Figma (Web Design), Adobe XD (Web Design), Flutter (Cross Platform Development Framework), Git (Version Control)
Programming Languages:	Python3, C, C++, JavaScript, TypeScript, Bash

Professional Experiences

Grader

Jan 2023 – Dec 2023

Arizona State University

Tempe, Arizona, USA

- Assumed the responsibility of grading 5 assignments ranging over different topics from Advanced Operating Systems for over 80 students during the Spring 2023 and Fall 2023 semesters, demonstrating organizational and evaluative skills and working under strict deadlines.
- Played a pivotal role in the planning, invigilation and evaluation of exams contributing to the execution and assessment process of exams.
- Conducted weekly office hours to provide students with valuable guidance and support, addressing their inquiries regarding assignments and course materials, and showcasing a commitment to student success.

Instructor

Jan 2021 – Jul 2022

Introduction Computer Center

Kolkata, India

- Provided comprehensive programming instruction across various languages, conducted practical classes for hands-on learning, and organized doubt-clearing sessions to enhance student comprehension and promote academic excellence.

Full Stack Web Developer Intern

Sep 2020 – Dec 2020

Kesowa Ventures

Remote, India

- Developed a new API using node.js and express.js to process map coordinate data and .tiff images which were being uploaded manually without any interface.
- Migrated old codebase to a cleaner, more readable version which made the process of making new changes to the existing code 30% faster.
- Built a multipart form using vue.js to use the API we had created to upload map coordinates, .tiff images, and other drone data to our MongoDB database.

Full Stack Web Developer

Mar 2019 – Mar 2021

Mind Webs

Kolkata, India

- Led diverse client projects involving creating custom WordPress themes with PHP, responsive websites with HTML5, CSS3 & JavaScript, and functional dashboards involving react.js based frontend and Node.js backend along with some TypeScript for easier maintenance.
 - Collaborated on a business-oriented URL-shortening application as the lead developer contributing with efficient solutions and leadership.
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Personal Projects

The OTP Game

Dec 2021 – Jan 2022

- Crafted an interactive game loop for engaging user experience (UX) with react.js and TypeScript. Used Vite as a building tool for the project.
- Devised elegant solutions for game-logic challenges, including high-score tracking and score counting, leveraging TypeScript's capabilities.

Pomodoro Timer

Oct 2021 – Nov 2022

- Translated a given design to an actual working website with HTML5, CSS3 and Javascript where you can manage a simple Pomodoro timer.

Useful Sites

Aug 2021 – Sep 2021

- Engineered a mobile-first User Interface with reactivity using React.js and made the website interactive using Typescript.
- Implemented data persistence through a MongoDB-based database hosted online using MongoDB atlas.
- Established an efficient REST API to seamlessly interact with the MongoDB database, for robust data management, with CSRF security.

Expense Tracker

Jun 2021 – Jul 2021

- Designed and built a functional expense tracker using HTML, CSS, and JavaScript, showcasing expertise in fundamental web development.
 - Demonstrated proficiency in responsive design, ensuring a seamless user experience across various devices.
 - Created a comprehensive YouTube video detailing the step-by-step design and development process, highlighting documentation skills.
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Extra-Curricular Activities

Group Member at Developer Students' Club, Kalyani Government Engineering College, India

Jul 2019 – Jul 2022

- Orchestrated a well-received online webinar in 2020, educating 50 students on crafting a web application and connecting the said application with an IoT device, showcasing effective communication and teaching skills.
- Actively engaged in monthly meetings and webinars organized by the group, contributing to the exchange of knowledge and experience within the software development community of our college.