

Ayushman Bilas Thakur

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EDUCATION

M.S. Computer Science

Aug 2022 – Expected May 2024

Arizona State University, Tempe, Arizona, United States of America

B.Tech. Computer Science and Engineering

Aug 2018 – Jun 2022

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

TECHNICAL SKILLS

Programming Languages: JavaScript (JS), TypeScript (TS), C, C++, Python3, Java, PHP, Bash Script

Web Development Skills: HTML5, CSS3/SCSS, Vue.js, React.js, Astro, Next.js, Nuxt.JS, Node.JS, Express.JS, Flask, Django, Firebase, MySQL, MongoDB

Other Tools: Git, GitHub, Linux Kernel Development with C, Figma, Flutter with Dart

PROFESSIONAL EXPERIENCE

Arizona State University, Tempe, Arizona, USA: Grader

Jan 2023 - May 2023 and Aug 2023 – Dec 2023

- Assumed the responsibility of grading assignments for over 80 students during the Spring 2023 and Fall 2023 semesters in the Advanced Operating Systems class, demonstrating strong organizational and evaluative skills.
- Played a pivotal role in the planning, administration, and evaluation of midterm and final 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.

Kesowa Ventures, India: Full-Stack Web Developer Intern

Sep 2020 – Dec 2020

- Engineered a Node.js and Express.js API for seamless processing of map coordinate data.
- Innovatively introduced a streamlined feature to facilitate .tiff image uploads, replacing the manual process and enhancing user experience.
- Elevated the front-end by refactoring and augmenting it with Vue.js, simplifying data input from the admin side.

Mind Webs Ventures, India: Full Stack Web Developer

Mar 2019 – Mar 2021

- Led diverse client projects involving custom WordPress themes (PHP), responsive websites (HTML, CSS, JavaScript), and functional dashboards (Node.js backend).
- Collaborated on the launch of a business-oriented URL-shortening application, contributing to the development.

PROJECTS

The OTP Game, *Personal Project*

Dec 2021 – Jan 2022

- Crafted an interactive game loop for engaging **user experience (UX)** with **react.js** and **vite**.
- Devised elegant solutions for game-logic challenges, including high-score tracking and score counting, leveraging TypeScript's capabilities.

Useful Sites, *Personal Project*

Aug 2021 – Sep 2021

- Engineered a mobile-first User Interface with reactivity using the modern JavaScript framework, React.
- Implemented data persistence through a MongoDB-based database hosted on the platform.
- Established an efficient REST API to seamlessly interact with the MongoDB database, for robust data management.

Expense Tracker, *Personal Project*

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 tutorial detailing the step-by-step design and development process, highlighting effective communication and educational abilities.

OTHER EXPERIENCES

Introduction Computer Center, India: Instructor

Jan 2021 – Jul 2022

- 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.

EXTRA-CURRICULAR ACTIVITIES

Developer Students' Club KGE, India: Group Member

Jul 2019 – Jul 2022

- Orchestrated a well-received online webinar in 2020, educating 50 students on crafting simple web applications, and showcasing effective communication and teaching skills.
- Actively engaged in monthly meetings and webinars organized by the group, actively contributing to the exchange of knowledge and experience within the software development community.