

Ayushman Bilas Thakur

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SUMMARY

Computer Science graduate student with experience in full-stack web development and interest in web security, looking for a summer internship in summer 2023.

EDUCATION

M.S. Computer Science

Arizona State University, Tempe, Arizona

Expected May 2024

B.Tech. Computer Science and Engineering

Kalyani Government Engineering College, India

June 2022

GPA 9.42 out of 10

TECHNICAL SKILLS

Programming Languages: Javascript/Typescript, C/C++, Python, Java

Front-End: HTML5, CSS3/SCSS, Vue.js, React.js, Bootstrap

Tools, Databases, and OS: Node.JS, Express.JS, Firebase, Heroku, Git, GitHub, Windows, macOS, Linux/Unix

PROFESSIONAL EXPERIENCE

Kesowa Ventures, India: Full-Stack Web Developer Intern

Sept. 2020 - Dec. 2020

- 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 before.
- 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.

Dressworm, India: Software Developer Intern

Jan 2020 - Mar 2020

- Composed the front-end of the login system of the e-commerce website in **Nuxt.js**.
- Used **firebase** for authenticating users using OAuth as well as email and password-based authentication.
- Collaborated with a senior developer to architect the tech stack to be used in the project which boosted our productivity by 50%

RELEVANT PROJECTS

Yet Another Habit Tracker (Web, Android), Personal Project

Feb 2022 - Mar 2022

- Created a backend using **node.js** and **express.js** to connect to the **MongoDB** database.
- Architected user authentication system using **JSON Web Token** technology to give users a secure login experience.
- Developed a frontend website with **vue.js** and an android app using **Flutter** to show the regular occurrence of a habit of a user(entered manually).

Advantage of Fog Computing over Cloud computing in Smart Accident Detection, Academic Project

Summer 2022

- Designed the Data Flow Diagram for the Smart Accident Detection System
- Used Java and iFogSim library to simulate the whole situation in cloud and fog computing
- Plotted various data points to show Fog computing is 3 times faster than cloud computing in ideal cases.

Odd and Even the game, Personal Project

Apr 2020 - May 2020

- Converted the idea of swiping numbers to classify them as odd or even into a game using **HTML5**, **CSS3** and **Javascript**.
- Utilized local storage to store the high score of the user in the browser so that the game can also work offline.

Productivity Stopwatch a personalized timer, Personal Project

May 2020

- Collaborated with two other developers to make an **Angular-based** personalizable timer.
- Translated the design made in Adobe XD to an Angular app.

OTHER EXPERIENCE

Introduction Computer Center, India: Instructor

Jan 2021 - Jul 2022

- Taught students the basics of programming in various programming languages like C/C++, Java, and Python.
- Conducted practical classes to help students learn the topics with practical experience once every week.
- Organized doubt-clearing classes once a month to help students understand the topics efficiently.

EXTRA-CURRICULAR EXPERIENCE

Developer Students' Club KGEC, India: Group Member

Jul 2019 - Jul 2022

- Hosted an online webinar about how to make simple web applications in 2020, which was attended by 50 students.
- Participated in various monthly meetings and webinars organized by the group to share and gain experience in software development.

KeyGENcoders, India: Group Member

Jul 2019 - Jul 2022

- Participated in various monthly meetings and webinars to gain experience in competitive programming.