

# 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.