

# Ayushman Bilas Thakur

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An assistant professor, learner, full stack and cybersecurity enthusiast

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## Professional Experience

**Assistant Professor II**, Adamas University, Barasat, West Bengal, India September 2024 - Now

- Conducting classes for Bachelor of Technology in Computer Science, BCA and MCA students in various subjects like basic programming, full stack software development and cryptography.
  - Training 3rd and 4th year students on full stack software development to help them understand industry standard tools for application development.
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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: 3.33/4.0

**Bachelor of Technology in Computer Science and Engineering** Aug 2018 - July 2022  
Kalyani Government Engineering College, Kalyani, India GPA: 9.42/10.0

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## 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,

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## Other Experiences

**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.

**Full Stack Developer**, Mind Webs, Kolkata, India Mar 2019 - Sep 2020

- Worked on 7 different client projects ranging from custom WordPress solutions to custom full stack websites.
  - Collaborated on a business-oriented link-shortening application which benefited local businesses.
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## Personal Projects

**Useful Sites** React.js, Express.js, MongoDB; [useful-sites.netlify.app](https://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](https://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.