

# Asfand Alavi

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## EDUCATION

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**B.S Computer Science**, May 2023

**SUNY New Paltz**, New Paltz, NY

- Honors: Dean's Honor List 2020, 2021 and 2022

## PROFESSIONAL EXPERIENCE

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**Bridger Aerospace**, New Paltz, New York(Remote)

07/2022 – Present

### Software Engineering Intern

- Delivered UI elements for a Flutter mobile application using Figma schematics as a blueprint
- Documented API endpoints using Swagger.io and OpenAPI 3.0 specifications
- Presented different ways on how to implement a new feature into the application, detailing each approaches pros and cons, and showing examples for each method
- Re-architected the application structure to a Feature-First Architecture while using flutter libraries such as BLoC provider for more efficient state management.
- Created new endpoints and functions for the company API using Express.JS and Node, and constructed tests for them using Jest

**Tungsten Studios**, Islamabad, Pakistan

05/2021 – 08/2021

### Software Engineering Intern

- Solely responsible for developing an Flutter application with a cloud-based backend, using services such as Firebase and AWS Amplify
- Built a non-relational database that stored real estate data for sales agents, which could be viewed and updated from anywhere
- Incorporated user roles, and assigned specified permissions to each of them
- Coordinated feedback with the client through an iterative process, made changes such as switching the backend to better suit the application's needs

## CAMPUS INVOLVEMENT / COURSEWORK

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**Eleet Coders Club**, New Paltz, NY

08/2021 - Present

### *e-Board Member*

- Support a group of 30+ students in the job application process, the development of core computer science concepts and capabilities
- Presented leetcode questions to groups of students to help build core concepts for technical interviews for internships.
- Collaborated with other members on personal, professional, and educational projects

**Software Engineering (CPS 353)**, New Paltz, NY

Spring 2022

- Collaborated with 5 other members in constructing a rental POS application using a MySQL database, base HTML and CSS, and php for backend code.
- Developed multiple pages into the the application such as a invoice generator, payment page and an admin management page, and presented a breakdown of these pages during a final presentation
- Integrated authorize.net API into the payment processing system, and added security measures for managing API credentials.

**Web Programming (CPS 493)**, New Paltz, NY

Fall 2021

- Created a Web application for fitness and health tracking utilizing MongoDB for databases, Express and Node.js for backend development and client-server communication, Vue.js as the primary JavaScript framework and Bulma for styling and CSS

## RELEVANT SKILLS

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- Technical Skills: Java, AWS, Flutter, Python, HTML/CSS, JavaScript, Firebase, C++, Express.JS, Node.JS,
- Language Skills: English (native), Urdu (native), Hindi (native), Punjabi (native)

## HOBBIES

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- Reading classic literature, sci-fi and philosophy books, watching movies, playing Video Games, playing and watching Basketball.