

Irfan Khan

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Objective

Seeking an internship for Summer 2023 in Software Engineering and/or WEB development. I have experience with Python, Java, C, and Full Stack Web development.

Education

The Pennsylvania State University, University Park, PA

Bachelor of Science in Computer Science

Expected Graduation: May 2024

Cumulative GPA: 3.78/4.00

Skills

Languages: Python, Java, C, JavaScript, HTML, CSS, Verilog

Frameworks: Node.js, Express.js, Django, Bootstrap, EJS

Database: MongoDB, MySQL

Developer tools: Linux, Git, Heroku, VS Code, Atom, Eclipse, Apache NetBeans

Projects

1. Weather Application [Website URL](#) (July 20, 2022)

Full-Stack web development

Implemented a weather application using HTML, CSS, and JavaScript to build the user interface (front end). Used an external API to get the current weather data for the country selected from the user interface and used EJS to pass the data to the HTML template. The back end is established using node.js and express.js.

2. Memory Management System (April 26, 2022)

Penn State – Introduction to Systems Programming

Implemented a memory management system using C programming language. This project uses cache to store recently accessed data to quickly access them, making it more efficient. I have also implemented the client side of a network to enable accessing the memory data over any network.

3. Course Scheduler System (December 15, 2021)

Penn State - OOP with WEB based Applications

Implemented a graphic user interface (GUI) using Java which handles some simple course scheduling operation. There is an admin option where the admin can add courses, students, and courses. Admin can also enrol a student in a course and if waitlisted they are added once anyone drop that course.

4. Covid-19 Live Data (May 24, 2021)

Python/Django framework

Implemented a covid-19 dashboard using HTML and CSS for the front end. Used an external API to get the COVID-19 data for the country selected by the user. The Django framework is used to parse the data and pass it to the HTML template, which is then displayed to the user.

Experience

❑ Learning Assistant of OOP with WEB based Applications

Penn State College of Engineering (Jan 2022 - Present)

- Hold weekly office hours to answer any questions related to OOP in Java.
- Help students with their assignments.
- Teach basic concepts of object-oriented programming during recitation.
- Grade assignments.