

Summer and Fall 2023 Internship for Undergraduates

The CreWMan Lab, directed by Prof. Sajal Das in the Department of computer science, Missouri S&T, seeks highly motivated and talented individuals for a Web and Mobile Platform Summer and Fall 2023 Internship. This internship offers an exciting opportunity to gain hands-on experience developing and maintaining web and mobile applications for our smart agriculture project. As an intern, you will work closely with our experienced team of Postdoctoral fellows and Ph.D. graduates and contribute to the success of our platform.

About the project: The project involves developing software and devices for agriculture farm fields that will collect field-level sensor data (humidity, temperature, etc.) and image data (insects in the field), and farmers can be informed about this data over a low bandwidth network on mobiles.

Responsibilities:

1. Assist in designing, developing, and testing web and mobile applications using modern programming languages and frameworks using ReactJS, TypeScript, Material UI, Python, Flask, and GitHub/GitLab.
2. Collaborate with the team to brainstorm and implement innovative features and enhancements.
3. Participate in code reviews and provide feedback on code quality, performance, and maintainability.
4. Optimize applications for maximum speed, scalability, and usability across various devices and platforms.
5. Contribute to the documentation of software requirements, specifications, and user guides.

Requirements:

1. Currently pursuing an undergraduate in Computer Science, Software Engineering, or related field.
2. A minimum GPA requirement of 3.5 is required.
3. Understanding of web and mobile application development principles and best practices.
4. 1-2 years of experience in programming languages such as ReactJS, TypeScript, Material UI, Python, and Flask.
5. Excellent problem-solving and analytical skills, passionate about learning new technologies.
6. Ability to work effectively in a collaborative team environment and communicate ideas.
7. Prior experience with Continuous Integration/Continuous Deployment (CI/CD) knowledge in Cloud setup such as AWS is a plus.

Duration: This internship position is for the Summer and Fall 2023 opportunities, with the possibility of an extension to next semester based on performance.

Deadline: June 15, 2023

How to Apply: To apply for the Web and Mobile Platform Internship, please submit your resume, cover letter, and any relevant portfolio or GitHub links to **Amit Jha (anjr2c@mst.edu)** or **Vishesh Tanwar (vishesh.tanwar@mst.edu)**. Please include the subject line: "[Your Name] - Web and Mobile Platform Internship Application." Feel free to contact Amit or Vishesh for any questions.

Join our team and gain valuable industry experience while working on exciting projects that make a difference. We look forward to reviewing your application and exploring the possibilities of working together to shape the future of web and mobile applications.

Regards,

Sajal K. Das, Ph.D., IEEE Fellow

Professor and Daniel St. Clair Endowed Chair

Curators' Distinguished Professor

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