

Contact



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Github

<https://github.com/shubham7109>



LinkedIn

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Education

Iowa State University

Ames, IA

Bachelor's in Computer Engineering

Graduated: Dec 2020, Dean's List

Skills

Programming Skills:

- Expert in Kotlin, Java, Android Development, Firebase, Flutter, C#, Git and Linux
- Proficient in AWS, EC2, S3, Lambda, C, C++, Python, C#, JS, WebGL, SQL, TDD, PHP and WordPress

Professional Skills

- Familiar with agile work development
- Experience with working on JIRA software and Confluence
- Detail-oriented and adaptable.
- Knowledge in the latest development techniques
- Team & leadership builder

Independent Research

Developed a .NET [application](#) which will parse through the files provided from Google and display analytical information of what exactly Google collects on each user.

- Provide a deeper insight into how far Google can reach in term of user data
- Give the user a better understanding of the importance of personal privacy
- Direct users on how to better keep their data more private.

Shubham Sharma

PROFESSIONAL EXPERIENCE

Android Product Engineer

April 2021– Present (3yrs)

Environmental Science Research Institute (ESRI), Redlands, California

- Lead product engineer for **ArcGIS Maps SDK for Kotlin** (formerly ArcGIS Runtime SDK for Android).
- Maintained the SDK and identified and resolved bugs to improve the product's performance and reliability.
- Published and managed the **Android Sample Viewer for ArcGIS**, including developing an app to log metrics using Google Analytics.
- Provided **technical reviews** for documentation, tutorials, and sample apps to ensure they were accurate, relevant, and helpful to developers.
- Experienced with developing **MVVM apps** using Android's Jetpack Compose and the use of Coroutines
- Presented at **ESRI Developer Summit 23** to showcase the capabilities of the ArcGIS Maps SDK for Kotlin.

Director of IT, Student Council

May 2019 - May 2020 (1yr)

Iowa State University, Ames, IA

- **Revamped** the entire Student Government Website to a more robust and mobile responsive design.
- Member of a committee that oversees **\$11 million** dollars of Information Technology funding
- Closely involved with the **president** and the cabinet members of the Student Government
- Represents the **entirety** of the student body on Information Technology for the university administration

Android Developer

Jan 2018- Jan 2020 (2yrs)

Iowa State University, Ames, IA

- **Lead developer** for the University's app for all **36,000 students**, faculty, residents, and visitors in Ames, Iowa. With **10,000+ active users**
- Conceptualize, develop, and test native Android applications, including UI, core functionality, and third-party SDKs
- Re-designed the entirety of the app to meet **Google's material design** standards and fluid user interaction.
- Created and managed **documentation** detailing all aspects and functionality of the code.

PROJECTS & ACCOMPLISHMENTS

- Founded the **TMC Android app** (Fall 2019): Created the Android app for The Mind Care counseling and psychotherapy center.
- **Project Chair** for IEEE (Spring 2019): Organize, assist and manage all the Project teams at IEEE
- **Deep Learning** program to detect handwriting (Spring 2019): Developed a program using the MNIST dataset to detect handwritten numbers with 97% accuracy
- Awarded **Best Team Project** COMS 309 (Spring 2018): Designed and developed a next-generation interface for 911 operators and emergency responders.
- **President** of Rubik's Cube Code Solver Club (Fall 2016): Managed a team to develop an algorithm to solve a Rubik's cube at any state within a second for IEEE.
- **Team Leader** for ISU Hackathon (Spring 2017): Our team developed an Android cryptography and circuitry puzzle using Arduino to open a safe.