

SAI PHALTANKAR

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Website: <https://sphalt.gtsb.io/>

Education

- **MS in Computer Science** | University of Illinois at Chicago | graduated in May 2019 | GPA 3.7/4.0
Courses Taken: Visual Data Science, Visualization and Visual Analytics, User Interface design and Programming, Augmented and Virtual Reality, Advanced Techniques in Software Eng., Computer Algorithms
- **B.E.(Hons) in Computer Science** | BITS Pilani | graduated in 2014 | CGPA 5.76/10

Skills

- **Data Visualization:** D3.js, R, Tableau, Three.js, leaflet.js, Shiny
- **Web:** HTML, CSS, JavaScript, JQuery, MySQL
- **Languages:** Java, C#, Python, C
- **Tools and Software:** SQLite, Git Version Control (BitBucket, GitHub), Visual Studio, Android Studio, RStudio

Projects

- **Identifying Opioid Abuse in Chicagoland (D3.js, leaflet.js, JavaScript, HTML, CSS)**
Exploratory visualization that aims to identify signs of opioid abuse among patients by analyzing doctor, patient, and prescriptions data to find patterns to distinguish genuine patients from opioid abusers and thus reduce opioid abuse.
- **Englewood Data Hub (D3.js, leaflet.js, JavaScript, HTML, CSS)**
Explanatory visualization that allows policy makers to analyze social services, demographics and crimes data in Englewood.
- **You Spin Me Round (R, Shiny)**
Interactive geospatial data visualization of Tornadoes in USA for years 1950 – 2016 created using R and Shiny
- **Learning to Fly (R, Shiny)**
Interactive data visualization of airline flights in Illinois in 2017 created using R and Shiny
- **Gun-Deaths in USA (D3.js, JavaScript, HTML, CSS)**
Interactive visualization of gun-related deaths in USA.
- **PhysicsAR (Unity3D, AR Core)**
Augmented reality enabled Android application that aims to make learning physics fun and easy using augmented reality. The app includes six challenges based on various concepts in physics.
- **Jenkinsfile Analyzer (Python)**
A project to analyze the nature of Jenkins pipelines across variety of open source projects
- **Github Repository Analyzer (Python, Understand)**
Analyzed GitHub repositories to identify trends & patterns in version-control systems. We used the Understand tool and python to analyze the source code.

Work Experience

- **Software Engineering Intern, BMW Technology Corp.** May 18 - Aug 18
 - Created automated tests for Android and iOS mobile applications using Appium, ECU-Test, and Eggplant
- **Senior Mobile Developer, Popup Technologies** Aug 14 - July 17
 - Worked as the Team Leader from Jan 17 till July 17 to conceptualize and develop a native android application that helped users manage their financial portfolios and learn stock market trading through gamification (virtual stock market).
 - Using Xamarin, developed a social networking platform to increase citizen awareness, community engagement and collaboration based on the users' location – AasPaas on android and iOS. The application uses Xamarin Forms, SQLite, Google Maps integration. YouTube integration and various other libraries.
 - Designed and developed Travelogue – A Travel journal app published on the Google Play Store in 2015. The application includes an SQLite database, camera integration and minimalist UI.