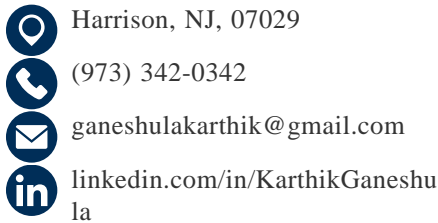


• Contact



• Skills

Programming: Swift, Python, Java, Obj-C, C++, JavaScript, HTML, Packages: UIKit, Alamofire, MapKit, Cocoa Pods, Core Graphics, Core Animation, REST API's, Flask, Hadoop, Spark, Pandas
Tools: Git, AWS, Xcode, Firebase, Postman, VM, Linux, Raspberry Pi, Docker, Json, NodeJs
Databases: MySQL, Mongo DB, Pl/Sql

• Education

2020-01 - Current
**Master of Science:
Computer And Information
Sciences**
New Jersey Institute of Technology -
Newark, NJ

• Other Projects

Big Data analysis of flight data
Link: github.com/KarthikGaneshula/BDProject

Hadoop + Spark + Java

- Analysis of flight data of a company base on their number of passengers in a time interval.
- Includes all the commands for Hadoop and Spark.

Hashtable from scratch
Link: github.com/KarthikGaneshula/prp_0009-2
Java

- Uses O(1) time for all the operations.
- No usage of external functions.

Equity Portfolio Management
Link: github.com/KarthikGaneshula/DataAnalysisR

Jupyter Notebook + R

- Analysis of stocks purchases of companies to determine profits.
- Calculated MTM for each company at the end of each year based on their data.



Karthik Ganeshula

iOS Developer

Dedicated iOS development professional with history of meeting company goals utilizing consistent and organized practices. Skilled in working under pressure and adapting to new situations and challenges to best enhance the organizational brand.

• Work History

2018-12 -
2019-12

IOS Engineer

Eagle Infotek, Pune, Maharastra

- Integrated mobile payment platforms such as ApplePay.
- Applied Agile software development methodology to elevate final products and streamline development efforts.
- Followed MVVM architecture for structured code and ease of use.
- Used Dispatch Queues for concurrency in iOS.
- Delegate Pattern for Communication between objects.
- Implemented screens/views from scratch using UIKit.

• iOS Projects

Web Browser

Link: github.com/KarthikGaneshula/MyBrowser

Xcode Swift + Firebase

- A lightweight web browser with all the essential functionality with firebase backend for storing user's history, bookmarks and settings.
- Includes Incognito mode, Bookmarks, app appearance options and more with options to change the appearance of the application.
- Uses WebKit for rendering the web data.
- Decision policy by WebKit to avoid suspicious websites.
- Designed the UI completely using pure swift code (No Storyboard).
- Each user has their own profile and data stored in their own node in the database.

Password Storage

Link: github.com/KarthikGaneshula/MyVault

Xcode Swift + Firebase

- Users can store their Passwords, Credit/Debit cards and other sensitive information.
- Uses End-to-End encryption so that the user has complete control over their data.
- Uses RNCryptor for encrypting user data.
- Uses unique encryption key for each user.
- Designed the UI completely using pure swift code (No Storyboard)

Explorer

Link: github.com/KarthikGaneshula/Explorer

Xcode + Firebase

- Users can watch videos uploaded by other users based on their current location.
- Users can upload or download their videos from the cloud.
- Allows user to visit any place virtually by providing videos based on the location they select.
- Fixed memory leaks from maps by almost 50 MB.
- Uses MapKit for all the location and map services.
- Users can stream videos online with minimal interruption.
- Designed the UI completely using pure swift code (No Storyboard).