

Aneesh Abhyankar

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OBJECTIVE

Electrical Engineering Graduate having skills in C++, Java, Android, HTML, PHP, Android App and Web development.
Seeking Full-Time opportunities from July 2017

EDUCATION

- **M.S. Electrical and Computer Engineering** | Rutgers University, New, New Jersey **GPA 3.8/4** May 17 (Expected)
- **B.E. Electronics and Telecommunication** | Sinhgad College of Engineering, Pune, India **GPA 3.5/4** May 15

RESEARCH EXPERIENCE

WINLAB, Rutgers | Research Intern

May 16 – March 17

Design an Indoor Localization System (Android App Control)

- **Aim:** To build an autonomously navigated mobile wireless node to assist wireless research at WINLAB, Rutgers. Indoor localization achieved using fiducial marker system and web-cam. To design an android app to control the mobile node.
- **Algorithms:** Adaptive Monte Carlo Localization and Simultaneous Localization and Mapping for autonomous navigation.
- **Software:** C++, C++ Boost Library, Python, OpenCV, Robot Operating System, Android, RESTful API
- **Platform:** Linux - Ubuntu16.04, Android

PROJECTS

Stock Prediction Website

- **Aim:** To predict stock values of up to 30 days in future using Neural Networks and Support Vector Machine and to develop a website for the same. Also, recommend the user whether to buy, sell or hold on to a share by analyzing future prices using indicators like trend lines, price to earnings ratio, growth ratio etc.
- **Software:** Java, Javascript, MySQL, HTML, PHP, Ajax, Bootstrap, RESTful API
- **Platform:** Windows, WAMP Server

Travellify – Android App

- **Aim:** To design an android app that provides users with spot recommendations along the way of their trip, on the basis of photographic contributions from other users. The users will be able to modify their trip on the go by including these spots in the trip. Normal apps provide users with places data nearby their current location, while we provide spots along the way.
- **Software:** Android (API level – 22), Java, PHP
- **Platform:** Windows, Android Studio, MySQL Server

Android Malware Detection App

- **Aim:** To design an android app that detects potentially harmful apps installed on the device by checking for malware in the apps. It carries out permission analysis as well as API access analysis for each app for this purpose
- **Software:** Android (API level – 22), Java
- **Platform:** Windows, Android Studio

Data Mining – Kmeans Algorithm in financial strategy formulation

- **Aim:** To cluster customers of a financial institution having a similar profile using K-means algorithm in different groups. It was done using 6-dimensional data that included the customer bank balance, credit score, share investment, amount borrowed on loans, etc. This classification was helpful in formulating financial strategies, detecting malicious behavior etc.
- **Software:** C++, Python
- **Platform:** Linux – Ubuntu12.04

TECHNICAL SKILLS

- Languages – C/C++, Java, Python
- Scripting Languages – Python, Bash, PHP
- Database – MySQL, Firebase
- Framework – Flask
- Template – Bootstrap
- Android Application Development (API - 22)
- Web Development
- Embedded Systems – Raspberry Pi
- Platform – Linux, Windows
- Version Control - Git