

Aneesh Abhyankar

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OBJECTIVE

Electrical and Computer Engineering Graduate having skills in C++, Java, Javascript, 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 3.85/4** May 17
- **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 and Navigation System (Android App Control)

- Approach: Computer Vision – USB web camera and fiducial markers
- Software: C++, Python - OpenCV, Robot Operating System, Java / Javascript, Php - RESTful API
- Platform: Linux - Ubuntu16.04, Android

PROJECTS

Account Management System (OOPS Concepts)

- Aim: To design an account management system for maintaining Bank Account and Stock Account Portfolio
- Approach: Inheritance, Polymorphism, Design Patterns, MVC for Account maintenance; Qt Framework for GUI design.
- Software: C++, Qt
- Platform: Windows

Data Mining – Kmeans Algorithm in financial strategy formulation

- Approach: K-means clustering of customers of a financial institution. 6-dimensional data - bank balance, credit score, share investment, amount borrowed on loans, etc.
- Software: C++, Python
- Platform: Linux – Ubuntu12.04

K-out-of-N multicast using Distance Vector Routing Protocol

- Approach: Design of a communication protocol - multicast to closest K out of the total N clients
- Software: C++
- Platform: Linux – Ubuntu12.04

Stock Prediction Website

- Approach: 30-day stock value prediction using Neural Networks and Support Vector Machine. Buy / sell / hold recommendation. Web Development, Artificial Intelligence, Database Management
- Software: Java, Java EE, Javascript, MySQL, HTML, PHP, Ajax, Bootstrap, RESTfulAPI
- Platform: Windows, WAMP Server

Travellify – Android App

- Approach: Spot recommendations while travelling on the basis of photographic contributions from users. Geolocation, Image processing, Android, Database Management
- Software: Android (API level – 22), Java, PHP, Firebase (NoSQL)
- Platform: Windows, Android Studio, MySQL Server

Android Malware Detection App

- Approach: Detection of potentially harmful apps by using permission analysis as well as external API access analysis.
- Software: Data Classifier, Android (API level – 22), Java
- Platform: Windows, Android Studio

COURSE PAPERS

- Comparative Analysis of Graph Coloring Algorithms – Greedy vs Welsh-Powell Algorithm
- Video-On-Demand Distribution System Architecture – Design, Traffic modeling, Protocols, Cost Calculation

TECHNICAL SKILLS

Languages – C++, Java, Python; Scripting Languages – Python, Bash, PHP; Database – MySQL, Firebase; Framework – Flask, Qt; Android Application Development; Web Development; Embedded Systems – Raspberry Pi; Platform – Linux, Windows; Version Control – Git