Aneesh Abhyankar

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OBJECTIVE

Electrical and Computer Engineering Graduate having skills in C++, Java, HTML, PHP, Android App and Web development. Seeking Full-Time opportunities; can start immediately

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 of an Indoor Localization and Navigation System with REST API Monitoring and Control
- Approach: Computer Vision – USB web camera and fiducial markers, Path planning for navigation
- Software: C++, Python - OpenCV, Robot Operating System, RESTful API
- Platform: Linux - Ubuntu16.04, RESTful API

PROJECTS

Financial Accounts Management System (Object Oriented Design)
- Approach: Inheritance, Polymorphism, Design Patterns, MVC for Account maintenance; GUI for managing the accounts
- Software: C++
- Platform: Windows

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 – Router Programming
- Software: C++, Click Modular Router
- Platform: Linux – Ubuntu12.04

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++
- Platform: Linux – Ubuntu12.04

Stock Prediction Website
- Approach: 30-day prediction - Neural Networks and Support Vector Machine. Buy/sell/hold recommendation. Web Development, Artificial Intelligence, Database Management
- Software: Java, Java EE, Javascript, MySQL, HTML/CSS, PHP, Ajax, Bootstrap, RESTful API
- 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
- Platform: Windows, Android Studio, MySQL Server

Android Malware Detection App
- Approach: Detection of potentially harmful apps by using permission analysis and 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 – Python, Bash, PHP; Database – MySQL, Firebase; Framework – Flask, Qt, Swing; Android Development; Web Development; Embedded Systems – Raspberry Pi, ARM; Platform –Linux, Windows; Version Control – Git