Aneesh Abhyankar

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OBJECTIVE

Electrical and Computer Engineering Graduate having skills in C++, Java, Php, Robotics, 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

EXPERIENCE

University of Kentucky | Applications Programmer   Aug 17 - Present

Backend Development and Maintenance of www.mathclass.org which is in support of KYOTE (Kentucky On-line Testing Program)
- <u>Approach</u>: Database Maintenance, and Clean up, Development of additional features to the Website
- <u>Software</u>: C#, .NET, SQL Server
- <u>Platform</u>: Windows

WINLAB, Rutgers | Research Intern   May 16 – March 17

Design of an Indoor Localization and Navigation System with REST API Monitoring and Control
- <u>Approach</u>: Computer Vision – USB web camera and fiducial markers, Image Processing, Testing, QA, Testable coding, Test cases and procedures, Path Planning and Navigation
- <u>Software</u>: C++, Python - OpenCV, Robot Operating System, Java / Javascript, Php - RESTful API
- <u>Platform</u>: Linux - Ubuntu16.04, Android, Javascript, Php API

PROJECTS

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

Financial Accounts Management System (Object Oriented Design)
- <u>Approach</u>: Inheritance, Polymorphism, Design Patterns, MVC for Account maintenance; Qt Framework for GUI design.
- <u>Software</u>: C++, Qt
- <u>Platform</u>: Windows

Data Mining – Kmeans Algorithm in financial strategy formulation
- <u>Approach</u>: Statistical Data Modeling of customer data of a financial institution. Data - bank balance, credit score, shares, etc.
- <u>Software</u>: C++
- <u>Platform</u>: Linux –Ubuntu12.04

Travellify – Android App
- <u>Approach</u>: Spot recommendations based on photographic contributions from users. Geolocation, Image processing
- <u>Software</u>: Android (API level – 22), Java, PHP
- <u>Platform</u>: Windows, Android Studio, MySQL Server

K-out-of-N multicast using Distance Vector Routing Protocol
- <u>Approach</u>: Design of a communication protocol - multicast to closest K out of the total N clients – Router Programming
- <u>Software</u>: C++, Click Modular Router
- <u>Platform</u>: Linux –Ubuntu12.04

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

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