Pankaj Malhotra

OBH 121 IIIT Hyderabad
Hyderabad 500032
Andhra Pradesh, India
℡ +91 9642528464
✉ devpankaj1994@gmail.com
🖥 www.pankajmalhotra.com

Education

2012–2016	**B.Tech in Computer Science and Engineering**, *IIIT Hyderabad*, *Hyderabad*.
2011–2012	**Senior Secondary**, *CBSE*, *94.8%*.
2009–2010	**Secondary**, *CBSE*, CGPA, *10/10*.

Experience

2014 **Google Summer of Code Intern**, *Google*, Mozilla.
Implemented REST API for a Django/Playdoh application OneandDone and wrote Selenium functional tests using Pytest for the same while working with WebQA team at Mozilla.

2014 **Open Source Contributor**, Mozilla.
Working closely with WebQA team writing Gaia-UI-Tests for Firefox OS, Selenium scripts for web applications and configuring CI servers.
Detailed achievements:
○ Awarded WebQA Apprentice badge for code contribution and running Automation
○ GitHub push access for WebQA repositories:
  – IRC Nick: "bitgeeky"
  – GitHub profile: https://github.com/bitgeeky
  – Bugs Squashed: http://goo.gl/7bXgNb

2013 **Contract Android Developer**, *BizcoLabs*.
Worked with a start-up on and Android application using Google Maps API and client to server data communication as a part of course project.

Projects

Artificial Intelligence Bot Moderator.
A moderator and a predefined game strategy that allows two AI Bots to compete against one another within a set of game rules and given map. Each player/AI has to control its bots, kill opponent's bots and destroy opponent's assets.
○ Application Source Code: https://github.com/bitgeeky/moderator

Android GPS Tracking System.
Android Application to track location of users in an organisation , get their location on a Google Map , and get a plot of a route from current location to other user's location..
○ Application Demo: https://www.youtube.com/watch?v=v2qD2RiBwNI

Online Notes Making and Reminder.
Online application to make and share notes online , similar to Evernote , the application also allows users to set reminders for a particular event.
○ Application: https://bitgeeky.pythonanywhere.com/cataminder/
○ Source Code: https://github.com/bitgeeky/cataminder

Desktop Audio Mixer.
A desktop application built using Python and Tkinter which can manipulate *.wav files using Numpy and allows users to perform Amplification, Modulation, Mixing, Time Scaling, Time Shifting, Time Reversal operations on wave functions.
○ Source Code: https://github.com/bitgeeky/audiomixer

C Shell.
A command line interpreter similar to that of linux implemented in C, supports a variety of operations including redirections and most of Linux commands. implemented in it.

Achievements

○ Intel India Embedded Challenge 2014 Finalist.I along with my team will showcase our device prototype at the finals in December 2014.
○ All India Rank – 147 in Indian Institute of Space Science and Technology (IIST) Examination.
○ All India Rank – 123 in AIEEE Examination (out of 11,00,000)
○ Selected for INSPIRE Scholarship by Department of Science and Technology Government of India.

Technical Skills

Platforms	GNU/Linux, Windows, OS X
Programming	C, C++
Scripting	Bash, Python, PHP, node.js
Databases	MySQL
WebDev	JavaScript, CSS, AJAX, HTML, Jquery,SQL
Tools	GIT, SVN
Environment	Eclipse, VIM, PyCharm

Relevant Courses Taken

Computer Programming, Data Structures, Algorithms, Operating Systems, Structured Software Development, Digital Logic and Processor, Maths I Graph Theory, Maths II Elementary Group theory, Maths III Introduction to Complex analysis, Statistics and Probability, Graphics, Computer Networks, Artificial Intelligence, Formal Methods, Machine Learning, Databases

Interests

○ Web Development, Automation, Scripting, Algorithmic Coding, Software Testing

Extra Curricular Activities

○ State Level Cycling and Skating Champion
○ Mozilla India Representative
○ Admin Open Source Developers Group(OSDG) IIIT Hyderabad