BOUDHAYAN GUPTA

Flat 3&4, Plot 445
Parnasree Pally
Kolkata 700060, WB, IN

+91 98303 08334
me@boudhayan.in

EDUCATION

Shree Bharati, Kolkata (now Birla Bharati)
affiliated to the Central Board of Secondary Education
Class X (2011) : GPA 8.8/10.0 (Science 9.0, Math 9.0)
Class XII (2013) : 75.8% (Computer Science 91%, Physics 75%)

NIIT University, Neemrana, RJ
Bachelor of Technology in Computer Science and Engineering
(Expected July 2017)
G.P.A. 6.1/10.0

Major Subjects	Minor Subjects
Computer Programming in C	Basics of Management
Object Oriented Programming in C++	Computer Networks
Data Structures and Algorithms	Environmental Science
Computer Architecture and Organization	Engineering Graphics
Database Management Systems	Workshop Practise
Analog Electronics	English Literature

EXPERIENCE AND PROJECTS

L2C2 Technologies   Summer 2011
    Designed a WordPress theme for the West
    Bengal Public Library Network

IL&FS Education and Technology Services   Winter 2011
    Designed a proof of concept payment collection
    system for rural bill-collection centers of BSNL
    using Python, Tornado and PostgreSQL

The KDE Project   2015 - Present
    Began contributing patches to the KDE
    project in early 2015. Currently fixing
    minor bugs in spare time.

Personal Projects   Present
    Personal projects include dabbling in new
    technologies, and building tools to fix my
    own problems. Open-sourced one such
    project (Dennis, available on GitHub at
    http://github.com/BaloneyGeek/dennisng)
    a UDP-TCP DNS Proxy written in Qt5.

INTERESTS

Application and network programming, Internet engineering (backend and API design), DevOps, IT Infrastructure.

SKILLS

Technical

- Highly proficient in programming in Python, C and C++, with significant experience in Qt5/QML (QtQuick). Limited skills in JavaScript.

- Highly proficient with Linux and UNIX-like operating systems, including BSD variants and Solaris, but excluding Mac OS X. Skills include system management and administration, network and storage administration, managing storage with LVM, ZFS, administration with SystemD, etc.

- Significant experience in web application development with database backends, including relational (PostgreSQL) and NoSQL (MongoDB). High level of familiarity with Python/WSGI, servers and caches (Nginx/Varnish), and related infrastructure, like DHCP/DNS servers, basic network design, etc.
- Familiarity with the Git DVCS, and GitHub. Able to contribute patches to open-source software projects which use Git as their SCM.
- Experience as a hobbyist in analog electronics, audio amplifiers, digital-analog converters and computer audio interfaces.

Communication

- Contributing author to Linux For You (now Open Source For You) since 2006. Articles include reviews of Linux distributions, internet engineering with Python, WSGI, WebSockets etc, system administration, a tutorial series on Qt5/QML and more.
- Speaker at Open Souce India Days 2009 in Chennai (topic: How a 14 year-old high-school student became a full-time Linux user) and at Open Source India Days 2013 in Bangalore (topic: Realtime Client-Server Communications With WebSockets). Also spoke at OSSCamp November 2010 at JIIT Noida on the design of a SMS-based remote-control to computers using Twitter as a SMS gateway.

HONOURS

Mutiple school and state-level medals in the National Science Olympiad and International Cyber Olympiad organized by the Science Olympiad Foundation. Best results in 2012-13 - State 1st and International 5th in International English Olympiad, State 2nd and International 10th in International Cyber Olympiad.

Multiple All-Rounder Student medals in High and Senior School

ACTIVITIES

Club Activities - Admin for a student-led talks/R&D club in college

Creative Activities - Sub-editor for the college newsletter. Blogger, writing at http://blog.boudhayan.in

Quizzing - won house-level in school, and for school in inter-school competitions multiple times.

Performance - involved with dramatics at school. Hosted the annual concert in 2012 as well as provided voice acting for Shakespearean dramas.

Singing - sang playback for a Bengali telefilm in 2006.

HOBBIES

Cooking, Coding, Writing, Movies, Quizzing, Origami and Paper Crafts, Travelling and Photography.

Avid reader of crime, mystery and thriller fiction.

Fascinated by Nordic literature and languages. Currently learning Swedish.