Sudhanshu Mishra

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		Email	mrsud94@gmail.com
Nationality	Indian		

Education

2012 - Now MSc.(Tech.) Information Systems - BITS Pilani, India

March 2011 Central Board of Secondary Education (Class XII) - Draupadi Devi Senior Secondary School, Gorakhpur, India

First Class - 82% Aggregate

March 2009 Central Board of Secondary Education (Class X) - Navals Academy, Gorakhpur, India

First Class - 88% Aggregate

Work Experience

June 2014 - Present Lenx
Android Developer

I created Lenx with college friends. Now this app has more than 60K downloads on Google Play store.

Technologies: Android SDK, Java, C++, OpenCV

Oct. 2014 - Present Potential
Android Developer / Backend Developer

I created Potential with college friends. Now this app has more than 16K downloads on Google Play store.

Technologies: Android SDK, Java, JavaScript, Parse Cloud

April 2014 - Sept. 2014 Google Summer of Code 2014
Software Intern

I created optics module in SymPy. Here's the link to my proposal for the same.

Technologies: Python

May 2013 - June 2013 PiRhoAlpha Research Pvt. Ltd.
Android Developer / Backend Developer

I created Awair while I was there. The app is now obsolete though because of mixed reasons.

Technologies: Android SDK, Java, Python, Django, scikit-learn

Software Engineering Skills

- **Programming Languages**

  C, C++, Java
  Python, PHP, JavaScript
  Go (Learning)

- **Web Development**

  HTML5, CSS3, JavaScript/AngularJS(1.x)/jQuery
  Django v1.6+, NodeJS
  Apache/Nginx Web Servers

- **Hardware Development Boards**

  Arduino Boards
  Raspberry Pi
  BlueGiga DKBLE113 (For Bluetooth Low Energy application)

- **Miscellaneous**

  git and GitHub - version control
  Linux - I've been using Ubuntu for more than 2 years
  Qt, PyQt - GUI Development
  MySQL Server - RDBMS
  MongoDB 2.6 - NoSQL document oriented database
  Docker, Amazon EC2, RDS, ELB, S3, Cloudfront - Cloud computing

Undergraduate Projects

- **Smart Home Device and Energy Management System**

  Device recognition based on transient state of the device. It was written in Python using k-NN classifier from scikit-learn. The transient state data was collected using Anduino and current sensors.

- **BinPy - Virtualizing Electronics**

  I co-started this Python library in September 2013. Later on, this gained traction and we participated as mentoring organization under the umbrella of Python Software Foundation in Google Summer of Code 2014. This was mentored by my college seniors because I was participating as a student under SymPy. We also gave a talk on BinPy at PyCon India 2014.

Teaching Experience

Fall 2014 Instructor

Introduction to Python at Center of Technical Education, BITS Pilani

Fall 2013 Instructor-In-Charge

Web design and development at Center of Technical Education, BITS Pilani

Fall 2013 Mentor

Python and Advanced Applications Development with Qt at Center of Technical Education, BITS Pilani

Positions of Responsibility

2013 - 2014 Secretary, IEEE Student Branch
BITS Pilani Goa Campus

2012 - 2014 Core Member of the Department of Backstage and Infrastructure
BITS Pilani Goa Campus

Online Profiles

GitHub https://github.com/debugger22
LinkedIn https://www.linkedin.com/in/sudmishra
Blog http://blog.sudhanshumishra.in