Hrishikesh Hiraskar

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EDUCATION

National Institute of Technology Karnataka , Surathkal, Mangalore, INDIA.

- B.Tech. in Computer Engineering • CGPA: 8.46 (May 2017)   Aug 2015 – Current

Walchand College of Arts and Science , Solapur, Maharashtra, INDIA.

- 10+2 Percentage : 93.23% • College Topper • JEE Mains AIR : 3003   Jul 2013 – Mar 2015

S. R. Chandak English High School , Solapur, Maharashtra, INDIA.

- 10th Percentage : 93.63%

EXPERIENCE

INTERNSHIPS

Haqdarshak , Mumbai   May 2017 – Jun 2017
Software Engineering Intern

- Full Stack development of Web Application for monitoring records, using MySql, Python Flask Server, and Material Design UI. • Special role in optimizing database queries, developing user friendly and responsive UI.
- Added features like background syncing and on device generation of PDF (with word-processor) to hybrid Android app.

Xcos-On-Web , FOSSEE, IIT Bombay   Aug 2016 – Dec 2016
Software Engineering Intern

- Revamped the Server Architecture and implemented Dynamic Plotting of Hybrid Systems.
- Work based on Python Flask server and HighCharts JS API.

START UPS

Wheels On Roll , Mangalore   In Progress
Lead Web, App and Product Developer

- An Automated Cycle Rental IoT Service. • Developing Android App using Firebase.
- Developed Website using MaterializeCSS & jQuery based on Google's Material Design.
- Developing IoT framework for automation of rentals using RPi, Micro Controller Unit, Python Server & Pyrebase.

ChangePay , NITK   In Progress
Lead App Developer

- A Cashless, Card-less, Phone-less Payment Gateway. • 596 registered users in NITK.
- Developing Android App based on Microsoft Azure Services.
- Implemented using third-party services MSG91 for OTP Authentication & PayUMoney for Payment Gateway.

TECHNICAL SKILLS

LANGUAGES AND SCRIPTS

• C, C++ - Proficient • Python - Proficient • HTML, CSS, JavaScript, jQuery - Proficient, • Java, Android - Intermediate. • PHP - Familiar • Assembly, Machine Code - Familiar

DBMS

SQL, MySQL, Firebase, Android SQLite.

TOOLS AND FRAMEWORKS

MATLAB, Scilab, Android Studio, Angular, PhoneGap, Git, C++ STL, Vim, Photoshop, COREL Graphics Suite, Microsoft Azure, ThreeJS, MaterializeCSS, Jekyll.

TRAINING AND COURSES

- Google Applied CS with Android at NITK   Oct 2016
- Machine Learning summer project under ACM - NITK   Summer'16
- Ethical Hacking Workshop in Engineer'15 TechFest of NITK   Sep 2016
- Android App Development Course done at NIIT, Solapur under Devagya IT solutions   Jul 2015

ACADEMIC COURSES

Data Structures and Algorithms, Design and Analysis of Algorithms, Operating System, Automata Theory, Software Engineering, Computer Organisation and Architecture, Data Communication, Object Oriented Programming, Concrete Mathematics.

SELECTED PROJECTS

All and More Projects at http://github.com/Hrily

NITK Website

- Worked on the Front-end Website Team for NITK Website using HTML, CSS and JS and front-end frameworks like Bootstrap, jQuery and Materialize CSS. Worked extensively on Mobile as well as Desktop View **(On Going)**

Portfolio Website and Blog

- Showcase of my work and all projects. Website is done using Material Design for website and using Ruby's Content Management System Framework Jekyll. For further information please visit, hrily.github.io .

SimOS - OS Course Project

- Interactive Simulation of basic principles applied in Operating Systems • Special role in Inter-process communication, pipe-lining and server architecture. • Led team of 11 members over a period of three months.

ZBot - Text Games

- Chat bot to play text based games from ZMachine. • Under beta testing on Actions on Google (Apps for Google Assistant) • Also developed Android App for the same, with Rich Material UI.**(On Going)**

TopMusicPull

- Python Script to download and maintain Youtube playlists like Billboard HOT 100, Vevo Top 20 and so on. Implemented using Web-Scraping and youtube-dl. Wrote scripts in Bash and Python.

Image2Ascii

- Python Script to convert Image to Text which represents the image. Implemented using popular Python libraries like SciPy & NumPy. Image2Ascii allows users to encode their images into ASCII characters.

Notes::Nearby

- Notes Nearby is an Augmented Reality based-app which takes Users' location to point to nearby restaurants and attractions. App is developed in Android using Microsoft Azure Database and Microsoft Cognitive Services for Speech-To-Text.

Terminal WhatsApp

- Developed a Terminal Interface to send messages via Computer Terminal to WhatsApp Web. Used Python Web Scraping to get the JavaScript from the Web. Developed only for Linux Computers and creates a local backup of upto 30 messages per user at a single instance.

ACHIEVEMENTS

- Winner of Microsoft code.fun.do 2016-17 Campus Hackathon at NITK.
- Represented College at Microsoft code.fun.do 2016-17 SHOWCASE, Microsoft IDC.
- Winner of Microsoft code.fun.do 2015-16 Campus Hackathon at NITK.
- Recipient of Reliance Dhirubhai Ambani Scholarship
- Recipient of Maharashtra State High School Scholarship

EXTRA CURRICULAR

- Executive Member at IEEE-NITK Student Branch.
- Executive Member at Web Enthusiast's Club NITK.
- Competitive Programming
  - CodeChef - 280 Problems Solved
  - UVa - 43 Problems Solved
  - HackerRank - 68 Problems Solved
- Desing portfolio maintained at hrily.github.io/Design
- Mentor for DBMS and Cloud Computing Summer Project 2017 at IEEE, NITK.
- Active Blog writing at IEEE NITK Blog and Personal Blog
- HrilyScreens Page on Facebook - Home Screen theming on Android.
- Tweaking Android and Ubuntu for Personalization.