Deepak Chethan

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Career Objective

I am a Computer Science Undergraduate with a passion for programming and Software Engineering. I would like to be a part of an organization where I can utilize my programming knowledge to solve challenging problems.

Education

Year	Insitute University	Course	Board	Percentage
Apr 2015 - Present	University Visvesvaraya College of Engineering, KR Circle, Bangalore.	B.E. CSE	BU	78.8%
May 2015	Spurthy Group of Institutions, Anekal	PCMCs	PUE	96%
May 2013	SVREMHS, Chandapura, Bangalore.	SSLC	KSEEB	96%

Relevant Coursework

Data Structures & Algorithms | Computer Networks | Operating Systems | OOP with C++ | DBMS

Research Work

Title   Optimizing Multi-path Routing with Guaranteed Fault Tolerance in IOT (In Progress)

Description   This research mainly explored the idea of using Hierarchical networking combined with *Least Common Ancestor Algorithm* to improve routing .

Technical Skills

Programming   C/C++, R, Python, Java*(Basics)*

Web   HTML, CSS, Javascript*(Basics)*, NodeJS/ExpressJS

Others   Android Development, Shell Scripting

Tools   MySQL, Git, ViM, Emacs, Linux.

Projects

Apr18–May18 **LOCATION BASED SOCIAL NETWORK**, Android App with NodeJS RESTful API.
A Social networking app where people can post text, images and gifs at various locations and share them with random strangers passing through that path. I used NodeJS with *mongodb* as backend and Android app as client.

Mar 2018 **RESTAURANT APP | FEST SCHEDULING APP**, Android Apps.
Developed as part of an Appathon, Restaurant app is a simple app to automate the ordering and billing process in a hotel and Restaurant based environments. Fest registration app enabled registration of participants with a user friendly interface and provided a way for organizers to keep in touch with the participants via messaging etc.,

Feb 2018 **ONLINE TREASURE HUNT APP**, Android App.
This app was developed for event 'Enigma' organized for the fest IMPETUS 18.0. The app facilitated game play in treasure hunt manner with the player information and score details updated online on a Firebase database.

Feb18–Mar18 **E-COMMERSE WEBSITE**, Web App.
An E-Commerce site that sells customized sweets was built using NodeJS/ExpressJS as backend paired with mysql database.

Sep17–Dec17 **PORTABLE DEVELOPMENT ENVIRONMENT**, Linux.
In this project, I tried to compile an Operating System built on top of the linux kernel directed toward programmers/developers. It supports more than 10 languages out of the box and is designed to be installed and used from a USB device.

Achievements

- Won second prize in Project Run S1 contest for building and presenting a portable development environment.
- Won second prize in an android hackathon organized by IEEE UVCE as a part of the fest Impetus 18.0.
- Organized the event 'ENIGMA' which is an online treasure hunt for the fest Impetus 18.0.
- I was the Anekal town topper in my PUC board exams.

Certifications

Mar18–Curr **Data Science Specialization**, Johns Hopkins, Coursera.
This Specialization covered the concepts and tools people need throughout the entire data science pipeline.

Aug17–Sep17 **Machine Learning**, Stanford, Coursera.
This course provided a broad introduction to machine learning, data mining, and statistical pattern recognition.

Jul17–Sep17 **An Introduction to Programming the Internet of Things (IOT) Specialization**, University of California, Irvine, Coursera.
This Specialization covers embedded systems, the Raspberry Pi Platform, and the Arduino environment for building devices that can control the physical world.