

Deepak Chethan

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Introduction

I am a Computer Science Undergraduate with a passion for programming and Software Engineering. With a keen interest for Data Structures and Algorithms. I would like to be a part of an organization where I can utilize my programming knowledge to solve challenging real-world problems.

Education

- 2015–Present **University Visvesvaraya College of Engineering**, Bangalore,
Bachelor of Engineering (B.E.), Computer Science and Engineering.
Aggregate Percentage – 78.0% (Till 5th sem)
- May 2015 **Spurthy group of institutions**, Anekal, Pre-University Board, Karnataka,
Stream : Science (Physics, Chemistry, Math and Computer Science).
Percentage – 96%
- May 2013 **Swami Vivekananda English Medium High School**, Chandapura, SSLC board ,
Percentage – 96%.

Research Work

- Title *Optimizing Multi-path Routing with Guaranteed Fault Tolerance in IOT (In progress)*
- Description This research mainly explored the idea of using PSO to improve routing optimization

Opensource

- Translations I Have contributed to organisations like DuckDuckGo, VLC media foundation and Contributor Covenant in translating there websites and documents to Kannada.

Skills

- Languages C/C++, Python, R, Java, HTML, CSS, JavaScript, ARM64.
- Platform Android, ExpressJS.
- Miscellaneous L^AT_EX, Linux.
- Interests Data Science, Machine Learning, Operating Systems, Opensource.

Projects

- Title **Self Driving Car.**
April 2018 - Present
- Description We used artificial neural networks to train a car to drive itself.

- Title **Location Based Social network.**
January 2018 - February 2018
- Description A Social network where people can dump there posts at various locations and share them with random strangers passing through that path. Technologies like FireBase, Java, Android framework were used.
- Title **E-Commerce Site.**
February 2018 - March 2018
- Description EComm is an e-commerce site built with NodeJS, ExpressJS on the backend and Jquery on the frontend paired with mysql database and handlebars as templating engine.
- Title **Portable development environment.**
August 2017 - February 2018
- Description A portable development environment built on top of the linux kernel for amd64 architecture. I had to compile, debug compilation and configure around 400 packages to get a fully functional linux based distro.

Achievements

- Enigma Have organized an android app based treasure hunt as part of the college fest impetus.
- Appathon Have won second prize in an android hackathon .
- ProjectRun 1 Have won second prize at project presentation competition for building and presenting about portable development environment.

Certifications

- 2018 Mar-Pre **Data Science Specialization**, Johns Hopkins, Coursera.
This Specialization covers the concepts and tools you'll need throughout the entire data science pipeline, from asking the right kinds of questions to making inferences and publishing results.
- 2017 Jul-Sep **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.
- 2017 Aug-Sep **Machine Learning**, Stanford, Coursera.
This course provides a broad introduction to machine learning, datamining, and statistical pattern recognition.
- 2017 Sep-Oct **Linux Server Management and Security**, University of Colarado, Coursera.
This course provides information on how Linux works from an enterprise perspective.
- 2016 - 2017 **Front End Development Program**, FreeCodeCamp.
I have learned to work with various technologies like HTML, CSS, Bootstrap, Javascript and Jquery.