

Cazal Tirkey

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ACADEMIC QUALIFICATION

BTech in Computer Science and Engineering, CHRIST, Bangalore (2016-2020) –	7.68 CGPA
12 th , Kendriya Vidyalaya CRPF (CBSE), Bangalore (2016) –	8.08 CGPA
10 th , Kendriya Vidyalaya CRPF (CBSE), Bangalore (2014) –	9.40 CGPA

INTERNSHIPS

Webnox Technologies April-May 2019

Web Designing of Websites

Created Front-End pages for websites using HTML5, CSS3 and Bootstrap framework for travel blog.

Mahindra Comviva April-May 2018

Performance visualization of Signaling Stack

Created an interface to display the incoming performance record to improve the visualization of the incoming time series data in a graphical manner using Telegraf, InfluxDB and Grafana. The visualization of the monitoring dashboards made, consisted of charts and graphs of the company data using queries in Grafana when connected to supported data sources. Feature of alerts, notifications, reminders were added so that immediately there would be an alert when there is an abnormal data coming in and could also specify how often reminders should be sent using number of seconds, minutes or hours.

PROJECTS

Title: Image Segmentation using K- Means Clustering (Jan – March 2020, ISRO)

Description: Image clustering is implemented using Python and Machine Learning Techniques to cluster multispectral data. AWiFS and LISS IV Data Sets are used. K-means algorithm is used for clustering the data. Water, forest areas from the image are clustered from the band into classes using the K-means clustering. It allows us to solve problem of clustering. This is implemented using Jupyter notebook, Python 3.5(Numpy, Sklearn, gdal), QGIS.

Title: Personal Expense Manager (Java - OOPS concepts and Collection API)

Description: Personal Expense Manager application which keeps a track of expenses. User can add expenses (Category wise) and manage category. Added feature which could give monthly, yearly and category wise report. The application is made using OOPS and Collection API in Java.

Title: Web Page of Student Registration (HTML5, CSS3, Bootstrap):

Description: It is a Webpage for Student Registration where the Front end is made using HTML5, CSS3 and Bootstrap.

TECHNICAL SKILLS

Programming Languages: Core Java, Python
Technology: Advance Java (JDBC API)
Web Technologies: HTML5, CSS
Frameworks: Bootstrap
Database: MySQL
Operating Systems: Windows 10, Ubuntu

WORKSHOPS

- ‘Basic IoT Training’ conducted by WIZnet, Korea, held at Christ (Deemed to be University) Faculty of Engineering, 3rd-4th June’17.
- ‘Advanced Learning Series on IoT’ conducted by WIZnet, Korea held at Christ (Deemed to be University) Faculty of Engineering, 18th–19th Dec.
- ‘Mathematical Morphology in Spatial Data Science’ by National Conference on Challenges and Opportunities in Computer Science and Engineering in Christ (Deemed to be University), 08-09 March 2018.
- ‘Artificial Intelligence’ organised as a part of Magnovite by Christ (Deemed to be University) Faculty of Engineering, 1st -3rd March 17.

SEMINARS / CONFERENCES / CERTIFICATION

- NDG Linux Essentials certification by CISCO CCNA.
- Participated in ‘CISCO Women Rock IT Student Summit’.
- Attended technical talk on Data Science in National Conference on Challenges and Opportunities in Computer Science and Engineering in Christ (Deemed to be University).
- Certification course in Introduction to IoT by Cisco Networking Academy.
- Certification course in Peer Education organized by the Centre for Counselling and Health Services.
- Completed Rajya Puraskar Level in Bharat Scouts and Guides.

ORGANIZATION, POSITIONS OF RESPONSIBILITY HELD

- Deanery Level Student Council Member in Christ (Deemed to be University) Faculty of Engineering (2017- 2019).
- Part of CSE magazine editorial and publication team in Christ (Deemed to be University) Faculty of Engineering (2017-2018).
- DAKSH (A Career guidance fair): An Active Volunteer (2017-2019).