Omkar Chekuri

omkar.chekuri@gmail.com • https://omkarchekuri.github.io

SUMMARY

I am a current PhD student in the computer science department in the university of Oklahoma working the field of data visualization.

EDUCATION

University of Oklahoma, Norman, Oklahoma, USA

- Ph.D. Candidate in Computer Science — Aug 2018 – Present
  Research areas: Information Visualization
  Advisor: Dr. Chris Weaver
- M.S. in Data Science and Analytics — Jan 2016 – May 2018
  Cumulative GPA: 3.5 / 4.0

Jawaharlal Nehru Technological University, Kakinada, Andhra Pradesh, India

- Bachelor of Technology in Mechanical Engineering — Aug 2008 – Jun 2012
  Cumulative GPA: 3.3 / 4.0

EXPERIENCE

University of Oklahoma, Norman, Oklahoma, USA

Graduate office Assistant — Dec 2017 – May 2018

Assisted in the recruitment of faculty, organized departmental activities and events, gathered and updated information on scholarships and research grants on a regular basis.

Graduate Teaching Assistant — Aug 2020 – Present

Instruct the python programming lab, conduct office hours, and assisted the faculty.

Graduate Research Assistant, Mentor: Dr. Chris Weaver — Aug 2019 – May 2019

Develop a suite Gestures for Direct Manipulation of Data: learning about approaches and systems of coordinated multiple view visualization and developing a gallery of gesture designs.

[Interactive Gesture-Based Data Manipulation and Visualization for Exploratory Learning and Research](#)

Development of Coordination Architecture for D3: (C4D3) is a framework for building coordinated multiple views (CMV) using view level abstractions provided on top of D3.js library

[C4D3(Coordination for Data Driven Documents)](#)

Graduate Research Assistant, Mentor: Dr. Sridhar Radhakrishnan — May 2018 – Dec 2018

Develop and dispatch a mobile system for the transit providers managed by Oklahoma Department of Transportation.

Cloud Nine Development LLC, Norman, Oklahoma, USA

Data Analytics Intern, Mentor: Dr. Sridhar Radhakrishnan — Jan 2018 – May 2018

Developed custom analytics dashboard to forecast business using time series models by using metrics gathered through google analytics service.

Study the business problem and make recommendations on the various key performance indicators to collect using google analytics.

Construction Development Company, Doha, Qatar

SAP CMMS Engineer — Mar 2013 – Feb2015

Worked with various clients in the EPIC (Engineering, procurement, installing and commissioning) projects in coordinating the project, planning, and implementing the asset management system, data management and preparation of project status reports using Excel.

Aker Solutions, Kakinada, Andhra Pradesh, India

Mechanical Engineer — Jun 2011 – Jan 2013

Performed general and preventive maintenance of equipment. Prepared M&L (maintenance and logistics) reports and maintained records of safety checks conducted on a regular basis.

Andhra Pradesh Paper Mills Limited, Rajahmundry, Andhra Pradesh, India

Engineering Intern   Aug 2011 – Mar 2012

Assisted the operations team in planning the supply chain routes and improvement of the efficiency of the paper production.

POSTERS   Omkar Chekuri, and C. Weaver, "C4D3: A Software framework for building coordinated web visualizations",

University of Oklahoma, 20

TECHNICAL SKILLS

Programming Languages

Proficient: JavaScript, Python, HTML/CSS, Java, SQL, R

Familiar: C, C#, C++

UI and Visualization Libraries/Frameworks

D3.js, Improvise, React, Angular

Design Tools

AUTOCAD, CATIA

LEADERSHIP

Member, Graduate Student Community at University of Oklahoma
Member, Data Science and Analytics Association at University of Oklahoma
Member, Human Factors and Ergonomics Society at University of Oklahoma
Former Cadet at University of Oklahoma ARMY ROTC