

Santhosh Suresh

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EDUCATION

University of Florida

Master of Science in Computer Science, GPA: 3.66

Gainesville, FL

Aug. 2019 – May 2021

SASTRA University

B. Tech in Electronics and Instrumentation Engineering

Thanjavur, India

July. 2013 – May 2017

TECHNICAL SKILLS

Languages: Python, Java, C++, C#, Elixir, SQL, JavaScript, jQuery, Typescript

Frameworks: ASP.Net, Entity .Net, Django, Spring

Developer Tools: Git, Visual Studio, IntelliJ, PyCharm

Libraries: PyTorch, React.js, pandas, Chart.js, Bootstrap

Others: Software development, Software Engineering, Data Science, Algorithms, Data Structures, Agile, Operating System, Windows, Web application development, Distributed Systems, Design pattern, REST

EXPERIENCE

Software Developer

Commonwealth Bank of Australia (TCS)

Sep 2017 - Aug 2019

Bengaluru, India

- Involved in developing functionalities (C#, C++ and T-SQL) and fixing issues pertaining to the wealth management platform of the banking application
- Optimized execution time of a monthly batch process from 8 hours to 12 minutes.
- Spear headed the design and implementation of banking application to support lower version of browsers.
- Designed an automation tool to validate scripts thereby reducing the count of bad fixes being deployed.
- Directed a team of 3 members for 3-4 months to fix tax related issues on 8000+ accounts.
- Mentored new joiners/inters and organized Knowledge Transfer sessions on new features implemented.
- Performed data analysis on the history of banking data and provided meaningful insights to business.

Full Stack Developer

Tata Consultancy Services (TCS)

Jun 2017 - Sep 2017

Chennai, India

- Designed an operating model of an end to end application facilitating smooth operations for scheduling assessment and evaluating student performance across schools.

PROJECTS

Implementation of P2P File Sharing software | Java

Aug 2020 - Dec 2020

- Developed a Peer to Peer file sharing application (similar to Bittorrent) and tested it on remote computers
- Each peer uses choking-unchoking mechanism of BitTorrent wherein it reads the tracker file to establish TCP connection with neighbors, chooses the best among them periodically and share files.

Implementation of Twitter Simulator | Elixir, Phoenix, JavaScript, jQuery

Aug 2019 - Dec 2019

- Implemented a Twitter Clone and a client tester/simulator using Phoenix web framework with twitter features such as live feed update, tweet, retweet, like, followers, following and authentication.
- Recorded a live demo and is available in Youtube [here](#).

Chicago Crime Analysis and Visualization | Django (Python), JavaScript, Oracle SQL

Aug 2019 - Dec 2019

- Designed an web application to analyze crime history reported, identified different trends, provided recommendations and simple predictions in form of graphs to the user.
- Extracted information from a huge dataset, normalized the raw data and imported it to database for analysis.

AWARD RECEIVED

- Received Academic Achievement Award of \$4500 from University of Florida recognizing my achievements in undergraduate degree program and other accomplishments.
- Received 'Employer of the Month' for the month – Sep 2018 from Tata Consultancy Services (TCS) recognizing the number of issues resolved.

CERTIFICATION

- The Data Scientist's Toolbox by John Hopkins University.

May 2017