

SHUBHAM GOYAL

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SUMMARY

Master's student with over 2 years of professional experience in the software engineering field. Expertise in algorithms, data structures and problem-solving.

EDUCATION

Master's in Computer Science

Arizona State University, Tempe, AZ

Graduating May 2021

3.78 GPA

Coursework: Statistical Machine Learning, Data Mining, Intro to AI, Foundations of Algorithms, Data Visualization, Data Processing at scale

Bachelor of Engineering, Computer Science

B.M.S College of Engineering, Bangalore, India

Aug 2012 – May 2016

3.91 GPA

Coursework: Algorithms, Data Structures, Object-Oriented Programming, Database Systems, Web development, Probability, Operating Systems

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, HTML, CSS3, MySQL, C, C++, Java, SQL

Frameworks: Flask, AngularJS, Knockout.js, React and Redux, NodeJS, LESS, SASS

Libraries: D3.js, jQuery, Bootstrap, NumPy, Pandas, BeautifulSoup

Tools: Git, Bitbucket, Confluence, Grunt, Gulp

PROFESSIONAL EXPERIENCE

McFadyen Digital - Bangalore, India

Aug 2016 – Jul 2019

Software Engineer Level 1

- Designed and developed web layouts and functionality for clients in the e-commerce domain.
- Improved the conversion rate and decreased the page load time from 14 seconds to 4 seconds for "Alpha Industries" by optimizing images and the number of redirects.
- Increased the page views by 30% by bolstering the page ranking through Search Engine Optimization techniques.
- Worked closely with the client to understand client needs and was involved in planning and delegation activities for the UI team.

ACADEMIC PROJECTS

Traffic Flow Prediction (Arizona State University)

Sept 2019 – Present

- Implementing a 2-step traffic flow prediction model using deep neural network techniques like LSTM, Stacked Autoencoders, GRU with real time traffic data.
- Model incorporates shocks such as accidents, weather and rallies.
- Technologies used: Python, keras, deep learning, LSTM

Healthcare Market Indicator

Jan 2016 – May 2016

- Worked on medical data collection from various data sites using web scraping tools.
- Created a data warehouse using the data collected and automated the entire process.
- Created an application for the admin user for easy access to the data using web technologies and Python.
- The app was designed to be used, along with other software, in predictive analysis for the healthcare market.

AWARDS AND HONORS

"Excellence Award": McFadyen Digital

May 2017

Played a major role in planning and delivering the project under extreme deadlines and with limited resources.