

VARUN NANDU

Software Engineer, Data Science Enthusiast & Proud Geek

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EXPERIENCE

Software Engineer I

Conduent Legal And Compliance Solutions

📅 June 2018 – Ongoing 📍 Albany, NY

- Developed full stack applications and implemented RESTful MVC architecture by leveraging ReactJS with server side built using NodeJS and HapiJS.
- Researched and implemented aggregations using multi-search queries in Elasticsearch to improve the response time of the application by 60%.
- Designed and Developed an ETL system using job queues and worker processes in NodeJS to extract, transform and load data from SQLite Database to Elasticsearch.
- Provisioned development environment using Ansible scripts and used Gitlab runners to create CI/CD pipelines which would check for test cases, code coverage and linting errors to maintain the highest code quality.
- Deployed the existing codebase for a full stack application to the cloud in Microsoft Azure using Docker, Kubernetes, Helm and Gitlab runners.

Master Assistant for CS2800: Logic and Computation

Northeastern University

📅 Spring 2017 📍 Boston, MA

- Assisting undergraduate students for labs and grading assignments for the course Logic and Computation.

Data Sciences Intern

Flexiloans Inc

📅 June – August 2016 📍 Mumbai, India

- Expedited the process of data extraction from bank statements using the Tesseract Library in Python thus improving the productivity of team by 50%.
- Recorded and automated the analysis process of the extracted data using the xlwt library in Python.

PROJECTS

▶ MovieNow

Developed and deployed on Heroku cloud platform a single page, mobile first web application using MEAN stack which allows users to search, like and review movies.

✍ Plagiarism Detector WebApp

Leveraged MOSS System by Stanford University to find similarity between different codebases (Python and Java) and provide a dashboard based on similarity count. Made use of Spring Boot (Tomcat) in the back-end and AngularJS in the front-end with ExpressJS as the middle-ware.

★ Recommendation System

Implemented recommendation system using Agglomerative Hierarchical Clustering, Collaborative Filtering and Multi-Layer Perceptron on Yelp Dataset.

LIFE PHILOSOPHY

"Make improvements, not excuses. Seek respect, not attention. – Roy T. Bennett"

TECHNICAL KNOWLEDGE

</> Languages

Python, Java, JavaScript (ES5, ES6), SQL, HTML5, CSS



Web Technologies

NodeJS, ExpressJS, HapiJS, ReactJS, AngularJS (2 & 4), Spring Boot, JDBC, JPA, MEAN, MERN, MHRN, npm, yarn, Maven, parcel



Databases

SQL (MySQL, SQLite), NoSQL (MongoDB, Elasticsearch), MultiModel Database(CosmosDB)



Cloud Technologies

Heroku, AWS and Azure



Tools and Systems

Windows, Linux (Ubuntu and OpenSUSE), MAC OSX, Git (Github and Gitlab), Jira, Ansible, Mattermost, Docker, Kubernetes, Helm

EDUCATION

M.S. in Computer Science

Northeastern University, Boston

📅 September 2016 – May 2018

GPA: 3.42

Related Courses: Programming Design Paradigm, Algorithms, Web Development, Fundamentals of Artificial Intelligence, Natural Language Processing, Data Mining Techniques, Managing Software Development and Database Management Systems

B.Tech. in Information Technology

NMIMS University, Mumbai

📅 June 2012 – May 2016

GPA: 3.18

Related Courses: Data Structures and Algorithms, Artificial Intelligence, Cloud Computing