

# Subhashini Arunachalam

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## EDUCATION

### Master of Science in Computer Science

Drexel University, Philadelphia, PA

Mar 2021

GPA: 3.76

Coursework: Data Structures and Algorithms, Artificial Intelligence, Software Design, Object Oriented Design, Developing User Interfaces, Operating Systems, Machine Learning, Database Management Systems

### Bachelor of Technology in Information Technology

Anna University, Chennai, India

May 2014

## TECHNICAL SKILLS

- **Programming Languages** : Java, Python Flask, JavaScript
- **Web Technologies** : HTML5, CSS3, Angular 9, React
- **Databases** : PostgreSQL, Oracle, MongoDB, Active Directory
- **Operating Systems** : Linux, Windows
- **Tools/Platforms** : AWS, Microsoft Azure, Git, Maven

## PROFESSIONAL EXPERIENCE

### Software Engineer - Harmelin Media, Philadelphia, PA

May 2021 – Aug 2022

- Developed React Admin, Python Flask web app for company's finance and analytics team to aid/improve the day-to-day business processes
- Designed and implemented RESTful APIs that connects to AWS RDS, S3 storage, achieving 20% improvement in data retrieval speed
- Built Data pipelines using Amazon Redshift, RabbitMQ to fetch and analyze the client's Ad impressions data to determine the trends and improve reporting experience

### Software Engineer Intern - ECS Inc., Jersey City, NJ

Jun 2020 – Sep 2020

- Worked on an Angular, Node.js Express and MySQL based web application from scratch following Agile methodology
- Part of a 5-member team that developed a responsive interface for API integration between QuickBooks and Zoho CRM using HTML, CSS and JavaScript
- Implemented JSON Web Token (JWT) based authentication for secure information transfer resulting in lesser DB queries

### Software Engineer - WIPRO Limited, Chennai, India

Nov 2014 – Nov 2016

- Automated creation & termination of bulk load of network accounts thereby preventing errors and saving 5 to 7 minutes per user account
- Trained new hires to evaluate user requirements and perform role based access management in Microsoft Active Directory and clinical applications
- Created standard operating procedures for different processes and resolved high level escalations in quick turnaround

## GRADUATE PROJECTS

### Sentiment Analysis of E-commerce products

Jan – Mar 2021

Languages and Tools Utilized: Python

- Implemented sentiment analysis to classify online reviews using Naive Bayes Classifier
- Employed Deep Learning method for N-grams to leverage the existing opinionated content in order to offer better user experience

### No To Hunger

Sep – Dec 2020

Languages and Tools Utilized: Angular, Java - Spring Boot, Maven, MS Azure

- Created an interactive web application that allows user to donate and receive food from the donors
- Utilized CI/CD process to deploy the application into Azure

## AWARDS

- Drexel University – Dean's Scholarship
- Anna University – Secured top 1 % among 6000 students in the Bachelor's

Sep 2019

May 2014

## PROFESSIONAL ASSOCIATIONS

- Society of Women Engineers (SWE), Philadelphia

Jun 2020