

Subhashini Arunachalam

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EDUCATION

Master of Science in Computer Science

Drexel University, Philadelphia, PA

Apr 2021

GPA: 3.74

Coursework: Data Structures and Algorithms, Artificial Intelligence, Software Design, Object Oriented Design, Developing User Interfaces, Computer Vision, 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, JavaScript
- **Web Technologies** : HTML5, CSS3, Angular 9, React
- **Databases** : Oracle SQL, MySQL, Mongo, PostgreSQL, Microsoft Active directory
- **Operating Systems** : Linux, Windows
- **Tools/Platforms** : Azure, Git, Maven

PROFESSIONAL EXPERIENCE

Software Engineer – Harmelin Media, Philadelphia, PA

May 2021 – Aug 2022

- Built RESTful APIs using Flask framework (Python) that connects to AWS RDS (Postgres) using Flask-SQLAlchemy (ORM)
- Developed a front end web app with React.js (React-admin library) which is been used by the 300 employees to aid/improve the day to day business processes
- Built data pipeline using Amazon Redshift, RabbitMQ, MongoDB that led to the data reporting optimization

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

Jun 2020 – Sep 2020

- Worked on an angular and Node.js 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

Project Engineer - Wipro Limited, Chennai, India

Nov 2014 – Nov 2016

- Collaborated with multiple application teams to develop a report generation tool that sends out emails on daily status
- Supported security engineering efforts and resolved high level escalations in quick turnaround
- Automated creation & termination of user accounts thereby preventing errors and saving 5 to 7 minutes per user account

PROJECTS

No To Hunger

Sep – Dec 2020

Languages and Tools Utilized: Angular, Java, 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

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

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