

Subhashini Arunachalam

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EDUCATION

Master of Science in Computer Science Drexel University, Philadelphia, PA	Mar 2021 GPA: 3.76
Bachelor of Technology in Information Technology Anna University, Chennai, India	May 2014

TECHNICAL SKILLS

- Programming Languages** : Java, Python, JavaScript, HTML, CSS
- Frameworks/Libraries** : Spring Boot, Hibernate, Flask, Bootstrap, Angular 9, React
- Databases** : PostgreSQL, MySQL, Oracle, MongoDB, Active Directory
- Operating Systems** : Linux, Windows
- Technologies/Utilities** : AWS (Certified Developer Associate, Certified Cloud Practitioner), Jenkins, Docker, MS Azure, Git, VS Code, Eclipse

PROFESSIONAL EXPERIENCE

Software Engineer - Harmelin Media , Philadelphia, PA Languages and Tools Utilized: Python Flask, React Admin, Material UI, PostgreSQL, SQLAlchemy, MongoDB, Data Pipelines, Sentry, RabbitMQ, AWS EC2, AWS S3, Redshift, AWS RDS, CI/CD, Kibana, Swagger, Git	May 2021 – Aug 2022
<ul style="list-style-type: none">Developed React Admin, Python Flask web app for company’s finance and analytics team to aid/improve the day-to-day business processesDesigned and implemented RESTful APIs that connects to AWS RDS, S3 storage, achieving 20% improvement in data retrieval speedSet up email notifications and in-app notifications using AWS SNS to effectively communicate the updates to the usersBuilt 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 Languages and Tools Utilized: Angular Ng-Admin, Material UI, Java, Spring Boot, MySQL, , API Integration, MVC, Git	Jun 2020 – Sep 2020
<ul style="list-style-type: none">Developed an interactive dashboard to display the analytical evaluation of the web application usage by the employeesPart of a 5-member team that developed responsive interfaces and microservices to perform API integration between QuickBooks and Zoho CRMImplemented JSON Web Token (JWT) based authentication for secure information transfer resulting in lesser DB queries	
Software Engineer - WIPRO Limited , Chennai, India Languages and Tools Utilized: Java, Spring Boot, Hibernate, Spring MVC, Spring DAO, MySQL	Nov 2014 – Nov 2016
<ul style="list-style-type: none">Automated creation & termination of bulk load of network accounts thereby reducing errors by 90% and saving 10 hours of weekly work for the helpdesk teamBuilt REST APIs for the microservices architecture based web application that displays balance transfer sheet and customer detailsCreated standard operating procedures for different processes and resolved high level escalations in quick turnaround	

GRADUATE PROJECTS

Sentiment Analysis of E-commerce products Languages and Tools Utilized: Python	Jan – Mar 2021
<ul style="list-style-type: none">Implemented sentiment analysis to classify online reviews using Naive Bayes Classifier and achieved almost 95% accuracy and 1% loss per epoch for the prediction modelEmployed Deep Learning method for N-grams to leverage the existing opinionated content in order to offer better user experience	
No To Hunger Languages and Tools Utilized: Angular, Bootstrap, Material UI, Java - Spring Boot, Maven, JPA, Hibernate, MySQL, MS Azure, CI/CD, MVC, Singleton pattern, Git	Sep – Dec 2020
<ul style="list-style-type: none">Created an interactive web application that allows user to donate and receive food from the donorsUtilized CI/CD process to deploy the application into Azure	

AWARDS

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| Drexel University – Dean’s Scholarship | Sep 2019 |
| Anna University – Secured top 1 % among 6000 students in the Bachelor’s | May 2014 |

PROFESSIONAL ASSOCIATIONS

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| Society of Women Engineers (SWE), Philadelphia | Jun 2020 |
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