

NAVEEN KUMAR CHILUKA

Boston, MA, 02120 | (857)3471589 | chiluka.n@husky.neu.edu

<https://www.linkedin.com/in/naveen-chiluka/> | **Available:** May - December 2020

EDUCATION

Northeastern University, Boston, MA Sept. 2019 - present
Khoury College of Computer Sciences GPA: 4.0 Expected Graduation: Apr. 2021

Candidate for a Master of Science in Computer Science

Related courses: Programming Design Paradigm, Foundations of Artificial Intelligence, Web Development

National Institute of Technology Calicut, India

Bachelor of Technology

GPA: 7.82/10

Aug. 2013 - Apr. 2017

Related courses: Data Structures, Algorithms

TECHNICAL KNOWLEDGE

Languages:	Java, Python, JavaScript
Databases:	Couchbase, PostgreSQL, MySQL
Web technologies:	HTML, CSS, Bootstrap, JQuery, ReactJS, Redux
Tools:	Kubernetes, Docker, Jenkins, Maven, Git, Ubuntu
Cloud:	AWS
Framework:	Apache Kafka, Apache Camel, Spring, Spring Boot, JUnit, Java Swing

WORK EXPERIENCE

Tesco HSC, Bengaluru, India

Graduate Software Development Engineer

July 2017 - July 2019

- Designed and Developed a cloud-based Supply Chain Control Tower application following Microservice architecture which proactively alerts the responsible teams about risky orders leading to a 15% decrease in order delays and an increase in customer satisfaction.
- Built a full-fledged cloud-based Order Management System by adopting Test-Driven Development methodologies as part of a talented and agile team saving about 0.1 million pounds for the company.
- Implemented a gap-prediction algorithm to predict future gaps with an accuracy of 85% using Random Forest based on the historical data on daily sales, replenishment time and shelf capacity.
- Drafted and reviewed syllabi for Government Schools in India as a part of the Corporate Social Responsibility Program at Tesco which increased the proficiency of 250 underprivileged high school students in English, Math and Programming subjects.

PROJECTS

Whiteboard

Jan. 2020 - Feb. 2020

- Developed an online Course Management System where the students can register for courses and the professors can author courses.
- Made the web pages responsive using React and Bootstrap along with Redux for state management while the back-end RESTful services are supported by Java and Spring.

Image Processing Application

Sept. 2019 - Dec. 2019

- Designed and Developed an Image Processing Application in Java following the Object-oriented Design principles, Design Patterns and MVC architecture.
- Programmed the application to offer various filtering, transformation, and image-generation features to the user via a user-friendly GUI using Java Swing.

AI Chess Engine

Sept. 2019 - Dec. 2019

- Created an AI Chess program using Python-chess library and implemented Mini-max algorithm with Alpha-Beta pruning.
- Provided the program with interfaces to play against other AI agents and human players with various levels of intelligence.

Virtual Reality based Driving Simulator

Jan. 2017 - May 2017

- Built a functional AI traversal system and a traffic control system for optimum traffic flow to teach driving in a close-to-reality environment without the consequences of real life.
- Simulated various virtual environments to make the experience as close to real-life as possible.

INTERESTS/ACTIVITIES

- Volunteered to help an NGO called The Akshaya Patra Foundation (TAPF) to provide free mid-day meals to underprivileged schools for one month.