

Rachana Anil

Boston, MA | +19085022055 | anil.r@northeastern.edu | [LinkedIn](#) | [Portfolio](#)

Available: Jan 2022 to Aug 2022 for Co-op or Internship

EDUCATION

Northeastern University, Boston, MA
Khoury College of Computer Sciences

Master of Science in Computer Science

Related courses: Programming Design Paradigms, Database Management Systems,
Foundations of Artificial Intelligence

Jan. 2021 – Present
Expected graduation: Dec 2022
GPA: 4.0/4.0

BMS College of Engineering, Bengaluru, India

Bachelor of Engineering in Telecommunication Engineering,

Related courses: Data Structures, Software Engineering, Image Processing, Graph Theory

June 2016
GPA: 9.22/10.0, Silver Medalist.

TECHNICAL KNOWLEDGE

Languages: Java, C, C++, Python, R, JavaScript

Databases: MySQL, SQLite, MongoDB

Web Technologies: HTML, CSS

Certifications: Graph Search, Shortest Paths, and Data Structures from Stanford Online
Divide and Conquer, Sorting and Searching, from Stanford Online

WORK EXPERIENCE

Khoury College of Computer Science, Boston, MA

Graduate Teaching Assistant (Object Oriented Design)

May 2021 – Present

- Conducted office hours and helped students better understand Object Oriented Design concepts.
- Critiqued multiple design choices of students during code walks.

Robert Bosch Engineering and Business Solutions, Bengaluru, India

Senior Software Engineer

Aug 2016 – Jan 2020

- Steered the team to develop applications such as Firmware Update Over the Air (FOTA), Connected Diagnostics and Remote ECU Fault Analysis for Connected Vehicles.
- Collaborated with technical leadership on the design of generalizing new modules to incorporate future updates.
- Automated code generation for base software libraries thereby reducing 96-man hours per year.
- Coordinated and provided requirements for website development used for various system configurations.
- Led a team of four (4) during the entire product development life cycle to deliver FOTA which received “Best Team Award” in 2019.

PROJECTS

Image Editing Application

Feb 2021- Apr 2021

- Implemented image mosaicking, pixelating, image to ASCII conversion, color replacement/removal in images using Java and Swing.

Wedding Planner

Jun 2021- Present

- Built a wedding planner using HTML, CSS and JavaScript. Main features include budget tracking, guest list management and a to-do list.

Crop Recommendation System

Jan 2021-Feb 2021

- Developed a crop recommendation system based on real time data such as soil parameters, temperature, humidity etc. using various machine learning algorithms.

PUBLICATION

- Published a technical paper titled, “Application of Inverse Perspective Mapping for Advanced Driver Assistance System in Automotive Embedded Systems” in the International Journal of Research in Engineering and Science (Vol. 6, No. 3, November 2017, pp. 150~159)