Rachana Anil

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

EDUCATION

Northeastern University, Boston, MA   Jan. 2021 – Present
Khoury College of Computer Sciences   Expected graduation: Dec 2022
Master of Science in Computer Science   GPA: 4.0/4.0
Related courses: Programming Design Paradigms, Database Management Systems,
Foundations of Artificial Intelligence

BMS College of Engineering, Bengaluru, India   June 2016
Bachelor of Engineering in Telecommunication Engineering,   GPA: 9.22/10.0, Silver Medalist.
Related courses: Data Structures, Software Engineering, Image Processing, Graph Theory

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   May 2021 – Present
Graduate Teaching Assistant (Object Oriented Design)
- Conducted office hours and helped students better understand Object Oriented Design concepts.
- Critiqued multiple design choices of students during code walks.

Robert Bosch, Bengaluru, India   Aug 2016 – Jan 2020
Senior Software Engineer
- 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.

Inverse perspective mapping for Advance Driver Assistance System   Jan 2016- May 2016
- Developed an application using OpenCV and RaspberryPi which provides a bird's eye view of the road ahead to aid in accident avoidance and parking assistance.

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)