

DEEPAK KUMAR

kumar.de@northeastern.edu | LinkedIn | Website | Boston, MA 02120 | 857-891-0357

EDUCATION

Northeastern University, Boston, MA Master of Science in Computer Science Related Courses: Programming Design Paradigm, Web Development, Information Retrieval, DBMS	Sept. 2019 - Dec. 2021 GPA: 4.0/4.0
Visvesvaraya Technological University, India Bachelor of Engineering in Information Science	Aug. 2012 - Apr. 2016 GPA: 8.52/10.0

TECHNICAL KNOWLEDGE

Languages:	Java, JavaScript, TypeScript, C#, Python, HTML, CSS
Databases:	MongoDB, DynamoDB, MySQL, Firebase
Tools:	Terraform, Docker, Nginx, Maven, Git, SVN, AWS, GitHub, BitBucket
Frameworks:	ReactJS, Node.js, Express.js, Spring Boot, Junit, React Native
Certifications:	AWS Certified Solution Architect Associate, AWS Certified Developer Associate

WORK EXPERIENCE

Philips, Cambridge, USA Software Engineering Co-op C#, TypeScript, GitHub, Terraform, HighChart, Nginx, Docker	Jan. 2021 - Aug. 2021
<ul style="list-style-type: none">Contributed to Philips open-source software by developing Roslyn analyzers to provide developers with feedback on the code for style, quality, maintainability, and other issues.Automated creation of self-hosted build runners using Terraform, saving nearly 3 hrs of manual time spent on creating and configuring each machine.Added new features on an existing ASP.NET application to display code coverage and mutation scores of .NET projects on high charts. Automated deployment using Nginx and Docker.Created GitHub actions to integrate code metric tools on .NET projects as part of CI workflow resulting in better code quality and unit testing.	
Slalom Build, Boston, USA Software Engineer Intern TypeScript, React Native, BitBucket, AWS, App Center	Jun. 2020 - Aug. 2020
<ul style="list-style-type: none">Led Cloud, DevOps, and Security effort in a team of 12. Provisioned AWS infrastructure using infrastructure as code, built Bit Bucket pipelines, and integrated front-end with App Center.Contributed as a Full Stack developer to develop the Stagen mobile app which will increase the ease of learning and customer involvement. Wrote and reviewed code for React Native, TypeScript, and Node.js.	
Brillio, Bangalore, India Software Engineer Node.js, AWS	Aug. 2016 - Aug. 2019
<ul style="list-style-type: none">Migrated Python server-based code to serverless code using Node.js and AWS Lambda which increased the response time of the application by 20%.Developed notification mechanism to notify stakeholders of a change in an attribute of a property listing of interest, resulting in more informed decisions and a 15% increase in returning customer base.	

ACADEMIC AND PERSONAL PROJECTS

Crack-it-up Android, Java, Firebase	Jun. 2021 - Aug. 2021
<ul style="list-style-type: none">Developed an android app to help students and professionals to prepare and crack technical interviews.	
Teaching Assistant Northeastern University, CS 4500 Software Development	Sep. 2020 - Dec. 2020
<ul style="list-style-type: none">Held office hours to clear student doubts, promoted code style which survives time and is easy to maintain. Graded assignments in multiple programming languages and organized weekly code review.	
Plagiarism Detector (PlageWatch) TypeScript, Netlify, React.js	Sep. 2020 - Dec. 2020
<ul style="list-style-type: none">Built a react web app to detect plagiarism on Javascript files. Supports both single and multiple files.	
Online bookstore (BookBar) Node.js, Heroku, React.js	Feb. 2020 - Apr. 2020
<ul style="list-style-type: none">Collaborated on building a Full-stack web application that connects booksellers and buyers.	
Image Processing Application Java	Sep. 2019 - Dec. 2019
<ul style="list-style-type: none">Created an Image processing application to apply six filters on an image such as greyscale, sepia, mosaic, dithering, blur, and sharpen using MVC architecture and design patterns.	