ANUSH MANDYA NAGESH

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EDUCATION

Northeastern University, Boston, MA. *Jan 2021 - April 2023*

Master of Science in Computer Science **GPA - 3.76/4.0**

Courses: Algorithms, Programming Design Paradigms, Databases, Mobile Application Development, Human Computer Interaction, Data Mining Techniques, Foundations of Artificial Intelligence

Nitte Meenakshi Institute of Technology, India *Aug 2015 - May 2019*

Bachelor of Engineering in Computer Science and Engineering **GPA - 8.31/10**

TECHNICAL KNOWLEDGE

Languages:	Java, JavaScript, Python, SQL, C++, R, C
Web Technologies:	NodeJS, ExpressJS, ReactJS, HTML, CSS, SASS, CSS, PHP
Databases:	MongoDB, MySQL, PostgreSQL
Tools:	Salesforce Commerce Cloud, New Relic, GIT, JIRA, Axure RP 10, AWS, Microsoft Office, WordPress

EXPERIENCE

ASICS Digital, Boston, MA. *Jan 2022 - Jun 2022*

Software Engineer Co-op

- Implemented a new checkout for ASICS, an eCommerce site written on the Salesforce Commerce Cloud platform on a global scale. Developed a template for sites in 4 locations, namely, USA, Australia, Europe, and Japan. Using Node, Express, jQuery, HTML and SASS, developed within an MVC architecture to reduce the API calls and make the checkout process more streamlined. Improved conversion by 15% in the 1st month.
- Automated monitoring of Vertex, a cloud-based tax and address validation solution during downtime using New Relic, a cloud-based performance tracker. Implemented a Scripted API to get response regarding Vertex status. Tested the response using SoapUI.
- Optimized Credit Card Components and Customer address sections. Worked on pick-up in store section covering all edge cases.
- Carried out regression testing for code changes every week. Followed AGILE methodologies for smooth progress.

Northeastern University, Boston, MA. *Aug 2021 - Dec 2021*

Khoury College Graduate Teaching Assistant - Course: Computer Science and Its Applications (CS1100) under Prof. Karl Lieberherr

- Tutored and graded 30+ students in advanced Excel concepts such as text processing, visualization, pivot tables, querying large datasets.

Pacific Web Developers, Bengaluru, India *Aug 2020 - Dec 2020*

Co-founder, Full Stack Developer

- Built 4 static websites using HMTL, CSS and JavaScript for different clients based on requirements. Managed a team of 3 and worked together on front-end and back-end issues along with performing quality assurance ensuring best service.

ACADEMIC PROJECTS

The Right Prep *Oct 2022 – Dec 2022*

- Developed an android mobile application where users can learn, and practice frequently asked technical and behavioral questions.
- Worked on Android Studio using Java for backend and XML for frontend. Retrieved data from Firebase Realtime database and set up FirebaseAuth to verify users.

NuDining *Aug 2022 - Dec 2022*

- Designed an interactive UI for Northeastern University dining app where users can search items, track nutrition info among other things.
- Followed and re-iterated over analysis, design, prototype, and evaluation of HCI lifecycle. Conducted live interviews, designed various levels of prototypes based on user feedback, and performed usability testing. Received a score of 72% on system usability scale.

Dungeons and Dragons *Oct 2021 - Dec 2021*

- Developed a GUI game using Java, Java Swing. Adhered to SOLID principles and Model-View-Controller (MVC) architecture.
- Created an initial UML diagram and expanded the game using it as a blueprint. Performed changes as requirements evolved.
- Performed testing by writing Junit-4 test cases ensuring a code coverage higher than 93%.

Driver Drowsiness Detection System *June 2018 - Jul 2019*

- Developed a system that uses face recognition in conjunction with an accelerometer to determine if driver is sleepy.
- Built face recognition software using CNN and HOG to collect facial co-ordinates and using the Euclidian distance to calculate eye dimensions to compare with predefined threshold value. The accelerometer was attached to a car to collect normal movement readings.
- An unusual indication of values in both systems meant the driver is drowsy and an alarm is set off as a warning.
- Presented at "Wireless World Research Forum Meeting 41", Herning, Denmark, 30 October - November 1, 2018.

PUBLICATIONS/ INTERESTS

- Research article titled "Sketch Based Face Recognition" published in the International Journal of Current Research. *July 2019*
  DOI: https://doi.org/10.24941/ijcr.36008.07.2019