

Ameya Santosh Gidh

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EDUCATION

Northeastern University, Khoury College of Computer Sciences

Boston, MA, USA

Candidate for Master of Science in Computer Science - GPA - 3.83 / 4.0

September 2021 – May 2023

Course work: Machine Learning, Algorithms, Web Development, Mobile Application Development, Object- Oriented Design, Data Structures, Algorithms, and Their Applications within Computer Systems, Discrete Structures, Intensive Foundations of Computer Science.

Sardar Patel College of Engineering, Mumbai University

Mumbai, India

Bachelor of Engineering - GPA - 9.20 / 10

August 2017 – May 2021

TECHNICAL SKILLS

Programming Languages: Java, Python, R, JavaScript, C++ and C.

Tools and Frameworks: React js, Node js, Express, Flask, JQuery, Bootstrap, HTML, CSS.

Databases: MongoDB, MySQL, SQLite, PostgreSQL, Firebase.

Other: Tableau, GitHub, Jira, Heroku, Linux, Vim.

WORK EXPERIENCE

Northeastern University, Khoury College Of Computer Sciences

Boston, MA

Graduate Teaching Assistant for CS3800 Theory of computation

May 2022 - Present

- Collaborated with faculty to manage course logistics, assignments, and class activities.
- Conducted weekly office hours, taught over 100 students in tutorials, and graded tests. Responsible for enhancing student understanding by delivering constructive feedback. Supervised the students during their exams.

Adagrad A.I

Pune, India

Machine Learning Intern

July 2020 – September 2020

- Coordinated with a team of 5 members to create Customized Fuzzy CNN for predicting Skin Cancer.
- Critically analyzed data patterns and derived feature maps from pooling layers. Deployed a Fuzzy Network layer to further improve the model's prediction capabilities. Improved the model accuracy by around 8%.

OMVSAB IT Solutions

Pune, India

Java Software Developer Intern

November 2019 – May 2020

- Automated Employee data storage using MYSQL to store registered data.
- Monitored performance against quality, provided operational and SLA reporting in Spring MVC with its host of business logic tools. Integrated appraisal based incentive system using J2EE, synced ODBC to SQL server for easy tracking and management. Debugged, tested the code on various test cases and successfully removed the bugs in the software thus building more reliable and maintainable code.

PROJECTS

Movie Time: Developed and deployed a MERN (MongoDB, Express, React and node js. Stack application where users can post, delete and edit reviews for the movies and add them to favorites if they like. Participated and Supported in the end to end project development with the team and successfully deployed the website on Heroku.

Godzilla Finance: Managed and lead the team in making a prototype of a personal budgeting application coded in java based on surveys conducted, helping streamline storing of expenses with clean and simple interfaces using Figma and XML. Parsed complex JSON data from API and securely stored it in Firebase. Used GitHub for version control and Jira for managing the team progress thereby identifying and negating the roadblocks in the development process.

Linux Shell: Created a Linux shell in C that supports typical commands like 'cd', 'help', 'exit' and 'ls', as well as unique ones like 'pipes' and 'guessing game'. Used 'signal handler' to implement keyboard shortcuts. To parse and execute commands, Used fork, execvp, and the C library. Fine-tuned the model's hyper parameters. Improved the model accuracy by around 8%.

Photo Album: Designed a photo album project which uses java programming to create two views web view and graphical view. Created a user friendly interface using Swing GUI library and HTML. Used concepts of object oriented programming such as SOLID, Model View Controller, inheritance, abstract classes and interfaces to create the program.

ACHIEVEMENTS

- Organized an event and prepared a marketing strategy for her incredible minds which is a nonprofit organization dedicated to the advancement of young women in STEAM thus helping the society.
- Authored and Published a Research paper titled Design and Simulation of Electric Vehicle in IJARIE.