Aditya Gandhi

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EDUCATION

Georgia Institute of Technology   August 2023 – August 2025 | Expected
Masters in Computer Science   **CGPA:** 4.0/4.0
Coursework: Database Systems implementation, Network Security

Pandit Deendayal Energy University (PDEU)   August 2019 – May 2023
B.Tech in Computer Engineering   **CGPA:** 9.86/10.00
Coursework: Operating Systems, Computer Network, Advanced Web Technology, Big Data, Data Structure, AI, ML

WORK EXPERIENCE

Cling Multi-Solutions: (SDE Intern)   January - June 2023
- **Tech-Stack:** ReactJS, SCSS, NextJS, AWS, REST API, NodeJS   *Pune, Maharashtra*
- Designed a **responsive website** for Yogyata company with dark mode, using **NextJS**.
- Spearheaded the development Cling-Connect admin portal for company publicity and broadcasting its courses, along with **API** Integration, using **ReactJS** framework. Utilized **AWS** platform for efficient resource handling.
- Led a team of 3 in comprehensive prototype testing, resulting in a **30%** reduction in overall workload

eInfochips Organization: (Summer Intern)   May 2022 - July 2022
- **Tech-Stack:** Django, ReactJS, Javascript, Python   *Remote*
- Worked on SEO Optimization to achieve higher search rank by employing Django & ReactJS.
- Worked on an analytic dashboard that keeps track of search words for future utilization to increase traffic

SKILLS

Technical Skills: C++, C, ReactJS, JavaScript, NextJS, HTML/CSS, Sass, Bootstrap, Tailwind, AWS, Git, Github, PHP, REST API, NodeJS, ExpressJS, Algorithms, Web Development, Machine Learning, jQuery, Python
Organizational Skills: Leadership, Communication, Teamwork, Testing, Problem Solving

PROJECTS

1. Portfolio Website | ReactJS, SCSS, Framer-Motion, tsParticles, Three.js   March 2023-Dec 2023
- Constructed a personalized portfolio website through **ReactJS** framework. Deployed **tsParticles.js** library for an interactive background. Employed animations through **Framer-motion** library for enhanced user viewability.
- Included custom 3D Objects through the usage of **Three.js** library to showcase advanced web development skills.

2. Productivity Booster Chrome Extension | Tailwind, Javascript, jQuery   July 2022 - November 2022
- Developed a Chrome extension for site blocking, content filtering, and timed limits utilizing **Chrome APIs, local Storage & JavaScript.** Implemented lightweight **JavaScript** and **jQuery** functions, utilizing existing **APIs** to efficiently fetch real-time metrics, assess **SEO** characteristics, and measure internet speed for the current page.

3. OS Virtual Lab | Eclipse IDE, Java, Java Swing   January 2020 - April 2020
- Developed a **GUI** for the graphical visualization of **6 Disk-scheduling and Page-replacement** algorithms.
- Functionalities like comparison of algorithms, description of their workings and a quiz were too developed.

4. Improved handwritten digit recognition using ANN |
Python, HTML/CSS, Bootstrap, NodeJS, ExpressJS, Rest API   July 2023 - Nov 2023
- Developed a precise handwritten recognition model with a dedicated front-end, optimizing model selection through testing various models. Achieved accuracy of **98.55%** by using Adagrad optimizer with an **ANN** model. Integrated **Node.js and Express** for seamless back-end integration with **Rest APIs**, ensuring comprehensive functionality.

PUBLICATIONS

1. Integrated Database Management System for Emergency Services | MySQL
- Engineered an Integrated Database System linking police, medical, and fire-brigade departments, notifying based on situation direness. Developed **MYSQL** queries for comprehensive personnel registration, interlinking all required departments. Crafted advanced **Relational, ER diagrams** for representing model flow.   (AIMV Conference)

EXTRA-CURRICULAR ACTIVITIES

- (LeetCode:) **Knight Badge** Achieved. **Highest ranking: 2045**. More than **1000** problems solved.
- **Led** the Publicity department and volunteered at 1st Artificial Intelligence and Machine Vision **(AIMV)** Conference hosted by **IEEE** at PDEU with over **100** paper presentations by international authors.   (Website)
- As **Event Management Head** at **HackerEarth PDEU Student Chapter**, I supervised a team to devise problems for and thus successfully executed 30% more - (**6**) hackathons in the university.