UMANG DHANDHANIA

Chicago, IL │umangd98@u.northwestern.edu | +1 773-302-5403 | www.umangdhandhania.com

EDUCATION

Northwestern University, Evanston   **August 2023**

Master of Science (MS) – Major in Computer Engineering & Minor in Engineering Management.   Grade: 3.93/4.00

Graduate Teaching Assistant for CS323, CE213, CS354, CS355 involving Code Analysis, Network Security and Computer Systems.

Relevant Coursework: Advanced Networking, ASICS & FPGA, Human Computer Interaction, Advanced Cryptography, Embedded Systems, Engineering Management, Decision Tools for Managers, Scalable Software Architecture, Cyber Physical Systems, *Research Assistant* in Computational Ji Labs, and Negotiations for Engineers.

Visvesvaraya National Institute of Technology, Nagpur   **June 2021**

Graduated in Bachelor of Technology in Computer Science and Engineering with 7.96 GPA received.

Relevant Coursework: Data Structure & Algorithms, Operating Systems, Computer Networks, Theory of Computation, Database Management Systems, Microprocessors and Compilers.

PROFESSIONAL EXPERIENCE

Feinberg School of Medicine, Chicago   **January 2023 - Present**

Research Technologist 3

- Merging data mining, high-performance computing, and full-stack web development with computational genomics to identify trends in complex genomics data.
- Developed Web Applications using Django and React enabling researchers to analyze and visualize genomic data.
- Managing AWS account of the lab to optimize, host and scale current and future applications.

Persistent Systems, Pune   **May 2021 – July 2022**

Software Engineer

- Devised a feature for one of the largest banks in India solely, reducing turnaround time for disbursal of loans across customer fleet by noteworthy amount.
- Collaborated as a part of new loan journey, developed, and maintained code and configurations leveraging Salesforce – Aura, Apex and LwC. Significant magnitude of my development is live and leveraged by the bank to drive in new customers.

Credit Suisse, Pune   **May 2020 - June 2020**

Technology Intern, Core Infrastructure

- Analyzed as a part of core infrastructure team to understand IT services and Networking incorporated in the company.
- Performed Data Analysis on confidential dataset of the company deploying Tableau charts, dashboards, and storylines.

ACADEMIC PROJECTS

Burger Builder App

- React Js application built from scratch enhancing user experience for building a real-time burger.
- Allows interactive ingredients addition with dynamic amount update, inbuilt authentication and authorization, and database with Firebase deployment.
- Further, upgraded with React Hooks and Redux for state management. AJAX HTTP requests through axios library.

SOFTWARE SKILLS

- Programming Languages: C++, Java, Python
- Web Development: HTML, CSS, JavaScript
- Frameworks: Django, React, Spring Boot, GraphQL
- Database: MySQL, Oracle, Postgres
- Others: Amazon Web Services, Git, RESTful APIs, VHDL

LEADERSHIP AND EXTRA-CURRICULAR

- **Team Leader:** Appointed to lead a team of 30 students for building a software in software lab course.
- Collaborated with the HoD of Civil Engineering Department to build and integrate GUI in Java to take input for a C program.
- Accomplished Master of Arts in Indian Classical Music certified by Akhil Bhartiya Gandharv Mahavidyalaya, Mumbai.

HONORS & AWARDS

- Recipient of merit certificate for academic years 2015, 2016 in Physics, Chemistry and Maths.
- Secured a rank of 4235 in JEE Main, entrance examination taken by 1.3 million students.
- Certificate of Appreciation in Tabla (Music) for six consecutive years by school.