

# MANYU DHYANI

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## Education

### Stevens Institute of Technology

September 2022 – May 2024

Master of Science in Computer Science, **CGPA: 3.9/4**

Hoboken, New Jersey

**Coursework:** Web Programming I, Distributed Systems and Cloud Computing, Computer Organization and Programming, Web Mining (NLP), Knowledge Discovery and Data Mining, Web Programming II, Big Data Technologies, Agile Software Development, Cyber Security, Database Design

### Dr. APJ Abdul Kalam Technical University, Lucknow, India

Aug 2016 – Sep 2020

Bachelor of Technology in Computer Science and Engineering, **CGPA: 3.75/4**

Lucknow, India

## Skills

**Programming Languages:** Python, JavaScript, Golang, C, C++

**Backend Technologies:** Django, Flask, FastAPI, DRF, Node.js, Express.js, Redis, RabbitMQ, Redis Streams, Redux, React.js, GraphQL, HTML, CSS, Bootstrap, Machine Learning

**Database:** MongoDB, PostgreSQL

**Tools:** GIT, CI/CD, SQL, Linux, Postman, Docker, Kubernetes, Amazon Web Services (AWS)

## Experience

### HealthXchange INT'L INC.

July 2024

Software Developer

Delaware, US

- Developed scalable microservices for a dental portal using **Django, JavaScript, and REST framework, integrating MongoDB and Redis caching** to enhance appointment booking and procedure history retrieval, improving search efficiency by **30%**
- Built and deployed an AI-powered FAQ chatbot** using **machine learning and NLP**, enabling accurate responses to patient inquiries and improving user engagement
- Integrated **Shopify with the dental portal** and enabled the purchase of various brand gift cards using the wallet balance on our platform
- Containerized and deployed the application using **Docker on AWS**, ensuring high scalability, seamless updates, and improved deployment efficiency

### Traveloft India Private Limited, Dehradun, India

June 2019 – August 2022

Software Developer

Dehradun, India

- Led & Built **Customer Relationship Management (CRM)**, for Company's B2B clients, customers & Potential leads. Leads-to-customer conversion and Business consultations increase by **35%**
- Leveraged **Django, PostgreSQL, Redis, and FastAPI** to architect a robust Tourism and Hospitality platform featuring E-commerce capabilities and integrated microservices
- Engineered and implemented **REST APIs for a Business Analytics Dashboard** using **Django, Redis, React, HTML, CSS, Bootstrap**. This enabled real-time monitoring and drove a **40%** improvement in decision-making efficiency
- Developed and integrated tools and microservices using **FastAPI and RabbitMQ, such as Chatbot Assistance, and CKEditor 5**. This resulted in a **25%** increase in user engagement and enhanced navigation efficiency.
- Streamlined **AWS EC2 and S3 Buckets deployment** using **GitHub Actions** with integrating **JIRA** and **Agile methodologies** to reduce deployment time and enhance operational efficiency

## Academic Projects

### ProCare HealthCare Portal | *React.js, Node.js, Bootstrap, Redis, Firebase, MongoDB, Docker* | [Link](#)

Dec 2023

- Designed a comprehensive health portal for medical staff and patient families, **featuring distinct dashboards for families, staff, and admin**, along with robust user authentication
- Implemented key features including **inventory management, admin management, patient admissions and discharges, and patient health and diagnosis tracking** for families and staff. Enabled immediate email notifications for any status changes

### MovieMaster OTT Platform | *Flask, React.js, Node.js, Redis, Firebase, MongoDB, AWS* | [Link](#)

May 2023

- Designed and developed the platform's front end using **React**. Collaborated to implement a unique feature of comments and chatrooms for each movie using **Socket.io**, resulting in a significant boost in user engagement
- Integrated a **recommender engine** that suggests movies based on genres and movies. Developed an API and implemented **Redis for caching results**, significantly enhancing user experience by reducing loading time
- Deployed and managed three instances of **Flask-server, Express-server, and React-server** on an **AWS EC2** with **Nginx**, ensuring secure communication with SSL certificates