

# Nitya Anand Shah

Software Engineer | nityashah2801@gmail.com | +91 7621070728

## EDUCATION

### IIT JODHPUR

B.TECH. IN COMPUTER SCIENCE AND  
ENGINEERING  
2020-2024 | Jodhpur, India  
CGPA : 8.11/10

### KENDRIYA VIDYALAYA S.A.C

April 2006-2020 | Ahmedabad, Gujarat  
CLASS 10 & 12 | CBSE  
Percentage: 94.4 % (Class 12)  
Percentage: 94.6 % (Class 10)

## LINKS

- [in LinkedIn:// nityaanandshah](#)
- [Github:// nityaanandshah](#)

## SKILLS

### PROGRAMMING

- C++ • C • Python • Java

### WEB DEVELOPMENT

- HTML • CSS • Javascript
- ReactJS • MySQL • MongoDB
- Springboot • Angular

### MACHINE LEARNING

- Numpy • Pandas • Sci-kit Learn
- PyTorch • Keras • Tensorflow

### FAMILIAR

- MATLAB • Docker • Kubernetes

## COURSEWORK

### UNDERGRADUATE

- Introduction to Computer Science
- Data Structures and Algorithms
- Design and Analysis of Algorithms
- Software Engineering
- Operating Systems
- Database Systems
- Computer Networks
- Cybersecurity
- Machine Learning
- Deep Learning
- Signals and Systems
- Linear Algebra and Calculus
- Maths for Computing
- Probability and Statistics
- Computer Architecture
- Digital Design
- Embedded Systems

## EXPERIENCE

### BNY | FULL STACK SOFTWARE DEVELOPER

17 July, 2024 - Present | Pune (IN) | Springboot, Angular, Oracle

- Developing an application to **streamline** document-heavy workflows in the bank, by leveraging **Spring Boot** microservices and **RESTful APIs**.
- Building an **Angular**-based front end for an intuitive user experience, with **Oracle SQL** for data storage.
- Developed **Prompt'athon**, an AI-powered platform to enhance prompt writing skills, featuring **contest-style participation** with multiple engagement modes and features.
- Integrated AI-generated suggestions for real-time user feedback, ensuring scalability and responsiveness using **Angular**, **Spring Boot**, and **Oracle SQL**.

### PUBLICIS SAPIENT | SOFTWARE DEVELOPMENT INTERN

26 June - 28 July, 2023 | Remote | Node.js, MongoDB, RabbitMQ, Docker, Kubernetes

- Developed **Patient Management**, for HealthCare Management system, following Microservices architecture.
- Uses **MongoDB** to store patient data.
- Employing RESTful APIs and **JWT authentication** for secure data handling. Utilized **RabbitMQ** for communication between microservices.
- Deployed the system using **Docker** and **Kubernetes**.

### BJ MEDICAL COLLEGE | MACHINE LEARNING INTERN

13 June - 8 July, 2022 | Remote | Python, Pandas, Matplotlib

- Assisted Covid 19 Rural Contact Tracing team Coordinator.
- Conducted **EDA** to analyze rural Covid data.
- **Categorized** signs, symptoms, and trigger events for rural epidemic.

### 3 STEPS AHEAD TECHNOLOGY | WEB DEVELOPMENT INTERN

18 May - 20 June, 2022 | Remote | HTML, CSS, Javascript, React

- Designed and built a responsive dashboard for the client, leveraging **HTML**, **CSS**, and **JavaScript** skills.

## PROJECTS

### TEACHING COPILOT

Text Summarization, Prompt Engineering | Instructor: Dr. Suman Kundu

- Developed an **educational tool** using Meta's AI model, **Llama 2**, for **text summarization**, **Q&A assistance**, and **revision support**, including **quizzes** to enhance content understanding.
- Built with **React**, **Node.js**, and **Socket.io**, ensuring AI-driven real-time interaction.

### IDENTIFYING KEY BIOMARKERS FROM IOT-BASED DATA

Data Preprocessing, ML Models, Unsupervised Learning, Hyperparameter Tuning, Ensemble Methods | Instructor: Dr. Suchetna Chakraborty

- Conducted **EDA** on sensory data to comprehend MCI symptoms in elderly.
- Identified symptoms using digital biomarkers.
- Developed a **ML model** for the detection of anomalies in clinical conditions.

## PUBLICATIONS

- Research paper, **Deep Learning-Based Diagnosis of Thyroid Tumors** accepted at Computer-Aided Diagnosis under SPIE, Medical Imaging, 2024.