

# AANCHAL JAIN

SOFTWARE ENGINEER



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## PROFILE

A **software developer** with a strong foundation in **clean coding**, **agile practices**, and **test-driven development**. With a passion for producing **high-quality code**, I look for ways to improve my skills and stay up-to-date with the latest technologies.

In addition to my technical skills, I am also interested in **UX and UI** design. I am excited to learn and grow in this area, and I believe that my passion for both technical and design skills make me a strong candidate for any team.

## SKILLS

- Web Design
- Design Thinking
- Wireframe Creation
- Front End Development
- Problem Solving
- Project Management
- Strong Communication

## EDUCATION

### BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING (CSE)

Jawaharlal Nehru Technological  
University, Hyderabad

2018 - 2022

GPA 7.82/10

## LANGUAGES

English 

Hindi 

Telugu 

## EXPERIENCE

### QUANTIZED NEURAL NETWORK OPERATOR DEV Kinara, Inc

Feb 2023 - Present

- Improved my skills as a software engineer while working on kernels.

### APPLICATION DEVELOPER INTERN (INNOVATION LAB) Thoughtworks

May 2022 - December 2022

- Created a virtual aisle and 3D models using Blender, for a Luxury Retail Application.
- Developed a Skin Analyser ML project which detects skin conditions of a person and recommends makeup products. Worked on validation, testing and backend development for completion of the project.
- Worked on a major Metaverse project which involved creating a 3D space of the office and people, motions and gestures of the avatars using Unity and developed the UI using Blender and the Adobe Creative Cloud suite.

### APPLICATION DEVELOPER TRAINEE (PROGRAD)

#### Thoughtworks

March 2022 - May 2022

- Improved my skills as a full stack developer while working on "Kalavithi", an art gallery website.
- Trained on backend development through Java and Spring Boot, while working with other interns. Gained hands-on experience in frontend development using React over a period of 2 weeks.

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## TECHNICAL SKILLS

### LANGUAGES

- Java
- JavaScript
- Python
- OOPS
- C/C++
- HTML5
- C#
- CSS
- SQL
- Kernel Programming

### FRAMEWORKS

- React
- SpringBoot

### SOFTWARES

- Unity
- Adobe Photoshop
- Unreal Engine
- Adobe Illustrator
- Blender
- Adobe XD
- Mural
- Git

### EXPERTISE

- UI/UX
- User Flows

## CERTIFICATIONS

- **Python for Everybody Specialization**  
By University of Michigan (Coursera)
- **C for Everyone: Programming Fundamentals**  
By University of California, Santa Cruz (Coursera)
- **Agile Project Management: Agile, Scrum, Kanban & XP**
- **REST API Design, Development & Management**
- **The Complete GitHub Actions & Workflows Guide**
- **C# Basics for Beginners: Learn C# Fundamentals by Coding**
- **UI & Web Design using Adobe Illustrator CC**
- **User Experience Design Essentials - Adobe XD UI UX Design**
- **Using SOLID Principles to Write Better Code - A Crash Course**

## PROJECTS

### HEART FAILURE DETECTION USING SOUND SIGNALS

([Journal of Neuroscience and Quantum Physics](#))

- Developed an application that detects Chronic Heart Failure from PCG audio recordings.
- The approach included a combination of classic ML and end-to-end Deep Learning and shows promising results both for the distinction of recordings between healthy subjects and patients and for the detection of different CHF phases.

### NETFLIX RECOMMENDER SYSTEM USING MACHINE LEARNING

- College Mini Project: Created a movie recommendation system.
- It allows a user to choose from a set of attributes and then recommends a movie list based on the cumulative weight of those attributes and the K-means algorithm.

### WILD PLANT WARNERS AND YIELD IMPROVISATION USING IOT

- Built an IoT device with image detection capabilities.
- It interprets the image, provides comprehensive information about the pest or weed, and makes precise recommendations for organic pesticide and weedicide alternatives.