

ISHA NAIR

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Education

VJTI Nov 2022 – Current
Bachelor of Technology in Production Engineering
Matunga, Mumbai
CPI: 7.3

St. Wilfred's School, Panvel April 2021 – June 2022
CBSE board - Class 12
Panvel, Maharashtra
Percentage: 93.2

Experience

Headstarter July 2024 – Present
Software Engineering Fellow
NY, US (Remote)

- Building and maintaining web applications using React.js and other related technologies
- Developing projects from design to deployment leading 3 engineering fellows using MVC design patterns
- Participating in code reviews and providing constructive feedback to other developers

Projects

Manipulator on Dynamixel | C++, ROS, SOLIDWORKS, Robotics October 2023

- Worked with ROS (Robot Operating System) and gained understanding of publisher-subscriber architecture
- Gained hands-on experience in reading datasheets, utilizing multiplexers, and understanding control systems
- Designed the basic structure of the manipulator using software tools such as FUSION360 and SOLIDWORKS

inFiniTy | ReactJS, Solidity, Ethereum January 2024

- Designed frontend collaboratively on Figma and hence implemented with **ReactJS**
- Implemented integration of **Metamask Wallet** feature to the website
- Setup hardhat environment and collaborated on writing smart contracts

MyntraMuse | Python, ReactJS, Stable Diffusion Models, HuggingFace API July 2024

- Created a prototype for the ideation phase, proposing a customized prompt feature for users to input their dress ideas
- Designed the **UI** using **Figma** and integrated the responsive ReactJS frontend with the python backend
- Developed a backend using **FastAPI** to generate fashion images based on **user prompts** utilizing **Stable Diffusion Models** and **HuggingFace API**

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, Solidity

Developer Tools: VS Code, Git, Github, Figma

Frameworks: React.js, Node.js, Flask, ROS

OS: Windows, Linux

Positions of Responsibility

Society of Robotics and Automation Dec 2022 – May 2024
Core Member
VJTI, Mumbai

- Conducted lectures for 150+ first-year students on topics like LED blink, Vectors in C++, Computer Vision fundamentals
- Mentored groups of students working on projects related to ESP32 and Computer Vision
- Contributed to logistics by testing bots and enhancing the existing repository for Computer Vision

Technovanza Dec 2022 – Sep 2023
Technovanza Manager
VJTI, Mumbai

- Assisted in managing a crowd of 80k in the Asia's largest technical fest - Technovanza
- Strategised in designing the tech contests in coding domains

Achievements

- Selected as **Open Source contributor** in GirlScript Summer of Code
- Qualified **Myntra Hackerramp WeforShe 2024** ideation phase