

Manoj Kumar

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EDUCATION

NIT TRICHY

B.TECH

Expected May 2022 | Trichy, India
Cum. GPA: 8.69

JNV SARDARSHAHAR

MATHS AND SCIENCE STREAM

Graduated April 2017 | Rajasthan, India
CBSE: 93.2

LINKS

Github:// [manojxk](#)
LinkedIn:// [manojxk](#)
Hackerrank:// [manojxk](#)
LeetCode:// [manojxk](#)
CodeChef:// [manojxk](#)

COURSEWORK

UNDERGRADUATE

Algorithms and Data Structures
Operating Systems
Database Management Systems
Combinatorics Graph Theory
Machine Learning

SKILLS

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Python • C/C++ • Javascript

WEB DEVELOPMENT

HTML • CSS • ReactJS • Flask • Django

TOOLS

Linux • Git • TensorFlow • Docker •
MySQL • PostgreSQL

Familiar:

Machine Learning • Computer Vision

SOFT SKILLS

Bilingual Communicator(English,Hindi)
Public Speaker • Leader

EXPERIENCE

CLIMATE CONNECT | DATA SCIENTIST INTERN

Dec 2020 – April 2021 | Pune, Maharashtra

- Utilized python to implement supervised machine learning techniques for time series load forecasting on previous 10 years of data, which reduced total MAPE to 0.76.
- Presented results to the team's head and wrote a requested executive summary detailing value proposition and strategy to present to end clients and senior leadership.

TRANS IQ | SOFTWARE ENGINEERING INTERN

May 2020 – August 2020 | Mumbai, India

- Used Django/DRF to write rest API's ensuring stability and smooth functioning of API and Android App
- All code was reviewed, perfected, and pushed to production

DELTA FORCE | SOFTWARE DEVELOPER

July 2018 - Present | NIT Trichy

- The coding club of my college, which handles most of the software development for various web related activities of festivals such as Festember, Pragyan and NittFest.
- Responsible for developing maintaining the institute's official website

PROJECTS

BEER FACTORY | DJANGO | TENSORFLOW

December 2019 - February 2020 | NIT Trichy

- An online strategy-based, single-player resource management game. Each player competes against computer simulated opponent
- Implemented custom FactoryEnvironment to simulate gameplay
- Implemented Asynchronous Advantage Actor Critic algorithm and trained the agent using TensorFlow
- Built database models, game and leaderboard logic views

FEST API | DEVELOPER

August 2018 – Present | NIT Trichy, IN

- RESTful API for managing college fests
- Developed, reviewed code for Certificate generation and CMS Helper module.

BITTALK | DJANGO | SOCIAL WEBSITE

Jan 2021 – Present | NIT Trichy, IN

- ByteWalk is a social media photo sharing network website built using Django Framework. It has the complete Friendship model built in to allow users to send and accept friend requests to other users.
- Users can post photos and search for photos based on tags of the photos. Users can update their profile and posts. Likes and Comments are included in the model.