Manoj Kumar

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EDUCATION

NIT TRICHY
B.TECH
Expected May 2022 | Trichy, India
Cum. GPA: 8.66

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++

AWARD

• 2 years math team captain

• Qualified for Regional Mathematics Olympiad in 2015

• Received Best in Academics award in High School, 2015

• Recipient of the prestigious Samsung Star Scholarship

• Recipient of INSPIRE Scholarship

• Global rank 282 in Codechef July challenge

• Accepted into Amazon ML Summer School(Selected in May 2021)

• Solved 900+Problems in Codechef, LeetCode, HackerRank, GFG

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.

JOBDAE | SOFTWARE ENGINEERING INTERN
June 2021 – August 2021 | Bengaluru,India
- Developed fully functional portal for Students to practice aptitude and programming quizzes
- Involved in developing, upgrading, testing entire backend
- Responsible for debugging and troubleshooting the web application
- Experience with using AWS services like EC2 for deployment of project, use of web server Apache, Ngnix, and S3 storage

PROJECTS

RESOURCE FINDER
May 2021 – June 2021 | NIT Trichy, IN
- A web app that consolidates 20+ high quality study resources with just one simple scan of textbook
- Built by integrating Google-Vision-API, Google-Natural-Language-API, and Google-YouTube-Data-API
- Built in Django with a backend SQLite database

APPLIED MACHINE LEARNING PROJECTS
Jan 2021 – feb 2021 | NIT Trichy, IN
- Comparative prediction of house price using Linear Regression, LassoCV, ElasticNet, RidgeCV, and XGBoost.
- CNNs for sign language recognition from hand gestures. Used the 'Sign Language MNIST Dataset',base model achieved an accuracy of 99.60
- Comparative text emotion detection using Naive Bayes, Linear SVM, Logistic Regression, and Random Forest models.

PHOTO-PASSWORD - SECURE ACCOUNTS WITH IMAGES, NOT PASSWORDS
Jan 2020 – feb 2020 | NIT Trichy, IN
- Built a site to demonstrate how user can use an image instead of password to Sign Up and Login
- Used flask and a MongoDB database for storing users
- Built a chrome extension that receives custom parameters about the current site validation, along with a local file upload or URL

URL-SHORTENER
May 2020 – June 2020 | NIT Trichy, IN
- Created a URL shortener using Django and deployed it on Heroku
- techs: PostgreSQL,UUID,Django,Heroku