Subhash Sarangi

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EDUCATION

Integrated M.Tech, Computer Science
University of Hyderabad
July 2017 – present | Hyderabad, India
CGPA: 8.2

Intermediate
Narayana Jr. College
2015 – 2017 | Vijayawada, India
Percentage: 96.7

ACHIEVEMENTS

Winner of hackmakers' #buildwithai global hackathon.
- Winner among 4500 participants in Predictive Algorithm Challenge.

CodeChef Certified Programmer
Qualified the CodeChef CCDSAP certification test.

Code-In-Lockdown AIR 10 holder
- Secured 10th position in the national level 15 days coding challenge conducted by IEEE Kerala and IEEE FISAT SB.

HCL #betterhealth #codeforcovid19 semi-finalist
- One of the top 32 teams among 7500 participants in the hackathon conducted by HCL.

Intern of the year at theyoungminds.

SKILLS

C & C++ programming | Javascript | PyTorch
Version Control Git | Python | RDBMS
MySQL | MERN stack | Typescript | Python

LANGUAGES

Telugu ●●●●●
English ●●●●○
Hindi ●●●○○

INTERESTS

Deep Learning | IOT | Full Stack Development

EXPERIENCE

General Electric
Digital Technology Intern
January 2022 – present | WFH, India

The Young Minds
Full Stack developer
September 2020 – March 2021 | WFH, India
- Designed and developed a chat application for the institution's educational needs.
- Implemented a live streaming application to facilitate online classes for over 5,000 students through the company's platform.

Indian Institute of Technology, Kanpur
VAPT Intern
May 2019 – July 2019 | Kanpur, India
- Vulnerability Assessment and Penetration Testing in the field of Web application Security.
- Performed a comprehensive examination of potential web application vulnerabilities.
- Established a firewall with a proxy server to prevent such malicious activities.

PROJECTS

Sorting Visualizer
- A React+Typescript web application to visualize sorting algorithms with appropriate animations.
- Key algorithms covered are Merge sort, Quicksort, Heap Sort.

Feed Forward Neural Networks Library (nicenet)
- Programmed an open-source feed-forward neural networks library from the ground up.
- Added support for exporting and loading functional models, for predictions, as well as for other enhancements.
- Published as a pip package on PyPI. Reached over 2000 downloads to date.

Handwritten Digit recogniser (MNIST)
- Modelled a neural network from scratch that can recognise handwritten digits with 98.86% accuracy.
- The model is trained with 50,000 samples of the MNIST dataset.

Covid19 Predictions API and Dashboards for India, US and Russia
- Node API which provides next 7 days' predictions of several countries using the covid19 time series.
- Designed a REST API to serve the predictions of the covid19 cases in 3 countries along with other insights.
- Predictions are generated from a data-driven model adapted from the SEIRD epidemiology model.
- Time series of covid19 cases are fed to the model regularly.

Sentiment Analysis using Naive Bayes Classifier
- Implemented a statistical model based on the Naive Bayes algorithm to determine the sentiment of a given English sentence.
- Trained with over 75,000 English sentences scraped over the internet.

CODING PLATFORM LINKS

Codechef
Leetcode