Aryajeet Jha

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EDUCATION

Vellore Institute of Technology, Vellore — 9.31 CGPA
BTech in Computer Science and Engineering with specialization in Internet of Things — *Sept 2022 – Present*

Seth M R Jaipuria, Lucknow — 96.75 %
Higher Secondary Education, PCM, ISC Grade XII — *2021 – 2022*

Maharshi Patanjali Vidya Mandir, Prayagraj — 94.4 %
High School Diploma, CBSE Grade X — *2019 – 2020*

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R
Frameworks: MongoDB, Express, React, Node.js
Developer Tools: Github, VS Code, PyCharm, Eclipse
Libraries: pandas, NumPy, Matplotlib, scikit-learn, Tensorflow, GSAP, Socket.io

PROJECTS

Diabetes Predictor Model | *Python, scikit-learn, NumPy, pandas*
- Developed a diabetes prediction model using Python, leveraging `pandas`, `NumPy`, and `scikit-learn` for data manipulation and machine learning
- Preprocessed medical data by normalizing features with `StandardScaler` and splitting datasets using `train_test_split`, achieving a balanced dataset of 769 records.
- Trained a Support Vector Machine (SVM) classifier with a linear kernel, achieving an accuracy of 78.6% on the training data and 77.2% on the test data.
- Implemented a predictive system to assess diabetes likelihood based on patient input, integrating data standardization and reshaping techniques
- Github Link

Chat Application | *MERN Stack, Socket.io*
- Developed a real-time chat application using the MERN (`MongoDB`, `Express.js`, `React`, `Node.js`) stack.
- Implemented `Socket.io` for real-time, bidirectional communication between the server and clients.
- Integrated an avatar selection feature using the Multiavatar API for a personalized user experience.
- Managed user data and chat histories in `MongoDB`, ensuring efficient data storage and retrieval.
- Github Link

CERTIFICATES

Supervised Machine Learning: Regression and Classification | *Coursera, Stanford University, DeepLearning.ai*
- Certificate: Coursera Certificate

Advanced Learning Algorithms | *Coursera, Stanford University, DeepLearning.ai*
- Certificate: Coursera Certificate

Unsupervised Learning, Recommenders, Reinforcement Learning | *Coursera, Stanford University, DeepLearning.ai*
- Certificate: Coursera Certificate

ACHIEVEMENTS

Smart India Hackathon, 2023 | *Gov. of India*
- Idea: Blockchain based e-vault system.
- Qualified as one of the top 30 teams from VIT in internal hackathon.

Team-Hackathon: Hack Battle | *VIT*
- Developed the Home Page and Dashboard section of a user-friendly health management system website.
- Ranked among the top 12 teams in the competition.