Bhooshan Birje

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EDUCATION

Vellore Institute of Technology Vellore, TN
Master of Computer Applications: 9.67 CGPA *Sep 2022 –*

Sir Parashurambhau College Pune, MH
Bachelor of Science in Computer Science: 10 CGPA *Jun 2019 – Jun 2022*

Abhyankar Kulkarni Junior College Ratnagiri, MH
XII: 77.23% *Jun 2018 – Mar 2019*

Karuna Sadan School Bhedshi, MH
X: 95.2% *Jun 2016 – Mar 2017*

PROJECTS

PCOS Prediction | *Google Colab, Python - scikit-learn, seaborn* **Github**
- Analyzed whether the patient suffers from Polycystic Ovary Syndrome (PCOS)
- Compared different machine learning techniques across different performance measures.
- Performed Hyperparameter Tuning to improve the models' accuracy
- Achieved an accuracy of 91%

Bhatkanti | *React.js, MongoDB, Express.js, Node.js* **Github**
- Website for Community of Nomads to view and pin locations on the map and review them
- Developed a full-stack web application with React-18 for the frontend and MongoDB-Cloud as database
- Used Node.js and Express.js for the backend functionality
- Used React-Map-gl library to render world map obtained through open source API
- Used Axios library to make http requests from client to server

Pathfinding Visualizer | *React.js, SASS* **Github | Live**
- A single page web application for visualizing Graph related algorithms
- Algorithms - Dijkstra's, DFS, BFS, Bellman Ford and A-star
- Employs features like multiple speed levels and pause/play button
- React.js for the UI and SASS for styling
- Deployed website online using render

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R
Frameworks: React, Node.js, Express.js
Developer Tools: Git, Visual Studio Code, Eclipse
Libraries: pandas, NumPy, Matplotlib, OpenCV, scikit-learn, seaborn, react-map-gl

CERTIFICATIONS

An Introduction to Programming through C++ - NPTEL
Competitive Programming - GeeksForGeeks
Full Stack Development with React and Node JS - GeeksForGeeks

ACHIEVEMENTS

Achieved **AIR 5** in VITMEE-MCA
Received a **Merit award** for securing the **second place** in MCA semester exams

POSITION OF RESPONSIBILITY

Programme Representative (MCA'24): Made honest and successful efforts to bridge the communication gap between management and the students