

Bhavneet Bali

Final Year (B.Tech. Mechanical)

Enthusiastic about AI/ML and Data Analytics

bhavneetbali@gmail.com

(+91) 7387219950

bhavneetbali.github.io/

github.com/BhavneetBali

EDUCATION

B.Tech. Mechanical Engg

VJTI, Mumbai

07/2019 - Present

CGPA 6.89

HSC Science

Marotrao Mudhe Jr. College, Nagpur

2018 - 2019

86.61%

SSC

Bhavan's B.P. Vidya Mandir, Ashti, Nagpur

2016 - 2017

97.4%

PERSONAL PROJECTS

Flow Field Reconstruction Using Optimal Sensor Placement and Deep Learning (2022 - Present)

- Under Mentorship of ex-Doctoral Fellow from Oklahoma State University, Oklahoma, USA
- To develop a feed-forward neural network to learn the relationship between sensor measurements and the reduced-order state of the system.
- To extend the framework to the Gaussian mixture neural network for probabilistic prediction of the reduced-order state of the system from sparse sensor measurements.
- Data-driven optimization of sensor placement to achieve accurate fluid flow reconstruction.

BMW Car Price Prediction Model (12/2021 - 01/2022)

- Development of a Regression model that predicts the price of the car from the set of given inputs.
- The model started from basic Linear Regression and progressed towards Random Forest Regressor (Ensemble Learning).

Breast Cancer Prediction (Guided Project)
(12/2021 - 01/2022)

- Development of a Classification Model that classifies a cellular coagulation as Breast Cancer or not from given cellular data
- The model compared results from Logistic Regression Model, Decision Tree Classifier Model and Random Forest Classifier

WORK EXPERIENCE

Financial Services Technology Consultant (Advisory)

PwC, Mumbai

05/2022 - 07/2022

Mumbai

Achievements/Tasks

- Android App development using Flutter and Dart
- Development of a microservice for a test app that would get the product description along with images to the viewer
- Integration of Strapi.io (a headless CMO) into the application development process

SKILLS

C++

Python

SQL

Microsoft Excel

Machine Learning

Deep Learning

Data Analytics

Problem Solving

DSA

Tableau

ACHIEVEMENTS

HSC (2019)

Among the top 1% of scorers in the exam

Enthusia, VJTI (2021)

Founder of E-Sports Division in Enthusia Sports Fest

IYMC, Lucknow (2017)

Bronze Medal in International Mathematics Convention in solo and group competitions

Sepak Takraw (2017)

State Level representation in the sport Sepak Takraw, selected for National Trials

CERTIFICATES

Machine Learning

Udemy

Deep Learning by Andrew Ng

Coursera

IBM Data Science Professional Certificate

Coursera

Google's Python Crash Course

Coursera

Programming in C++

Coding Ninjas

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

INTERESTS

Video Games

Football

Finance

Logical Reasoning

Anime

Aptitude