

Priya Bannur

priya.s.bannur@gmail.com | +91 8308360104



<https://priya-sb.github.io/>



www.linkedin.com/in/priyabannur



www.github.com/Priya-SB



www.orcid.org/0000-0002-0408-3064



<http://bit.ly/priyabgscholar>

EDUCATION

MIT World Peace University

Bachelor of Technology in Computer Science and Engineering

CGPA: **9.96/10**

University Topper

Pune, India

2017 - June 2021

Fergusson College

Higher Secondary School Certificate (XII)

84.31%

Pune, India

2015 - February 2017

Sevasadan English Medium School

Secondary School Certificate (X)

96.00%

School Topper

Pune, India

2002 - March 2015

AREAS OF INTEREST

Artificial Neural Networks, Optimization Algorithms, Self-organizing Systems, Multi-agent Systems, Natural Language Processing, Machine Learning, Computer Vision, Computational Modelling and Simulation

TECHNICAL SKILLS

Languages

Python, C, C++, Java, HTML, CSS, JavaScript, PHP

Databases

MySQL, MongoDB, OLAP cube, Firebase, ThingSpeak

Libraries

TensorFlow, pandas, NumPy, Scikit-learn, Matplotlib, seaborn, NLTK, D3.js, OpenCV

Tools

Hadoop, PySpark, PyMongo, Tkinter, Tableau, Selenium

Hardware

Raspberry Pi, Arduino

RESEARCH EXPERIENCE

Research in Image Processing

Working on developing a new, computationally light technique of feature extraction

October 2020 -

Present

Research in Swarm Intelligence

Worked on modifying the Cohort Intelligence algorithm to be able to be applied on real-life constrained optimization problem of Search and Rescue operation

Pune, India

August 2019 - 2020

PUBLICATION

Bannur, P., Gujarathi, P., Jain, K., Kulkarni, A.J. (2020): Application of Swarm Robotic System in a Dynamic Environment using Cohort Intelligence, *Soft Computing Letters* [doi: [10.1016/j.socl.2020.100006](https://doi.org/10.1016/j.socl.2020.100006)]

INTERNSHIP

TATA Motors

Pune, India

Artificial Intelligence Intern

July 2020 - Present

~ Predicted the field failure of Engines using the testing data

~ Developed a Web Application for the Predictive Maintenance project and handled the data for the same

~ Developed an OCR application for interpreting non-machine-readable reports

CO-CURRICULARS

INDCON 2019

RNN on EEG based classification for Brain Computer Interface project presentation at the conference

Award: **IACC**

Innovative Student

Pune, India

August 2019

Careers360

Summer Intern for the role of Assistant Career Counsellor

Delhi, India

May 2019 - July 2019

Formula Student UK

Participated in the international competition of FS UK'18 while associated with Team Acceleracers

World Rank: **19**

Silverstone, England

July 2018

CERTIFICATIONS

TensorFlow Developer (4 courses) ~Introduction to TensorFlow for AI, ML and DL ~Convolutional Neural Networks in TensorFlow ~Natural Language Processing in TensorFlow ~Sequences, Time Series and Prediction	Coursera - Professional Certificate/ Specialization by DeepLearning.AI	May - August 2020
Data Visualization with Matplotlib Programming in Java Python for Data Science Programming, Data Structures and Algorithms using Python Web Scrapping in Python	Data Camp NPTEL - IIT Kharagpur IBM Cognitive Class NPTEL - IIT Madras Data Camp	November 2019 July - October 2019 October 2019 July - September 2019 September 2019

PROJECTS

Attendance Marker App - Desktop application for automatic marking of attendance from online Zoom lectures	Faculty of CET June 2020
Breast Cancer Prediction - MongoDB + Apache Spark	Big data analytics May 2020
COVID-19 Analysis - Imputation, Label encoding, PCA + Elbow test, K-means Clustering + Decision tree, Random forests, Gaussian NB, KNN Classification + Adaboost Ensemble learning	Machine Learning May 2020
Resume Parser and Analyzer - NLTK + Tkinter + MySQL	Artificial Intelligence May 2020
Employee Attrition Prediction OLAP + Association Rule Mining + Classification + Tableau	Data Warehousing and Data Mining - February 2020
Furniture Web store for Design Extracts Interiors HTML, CSS, JavaScript, PHP	Web Technology February 2020
Smart Farming - Arduino + ThingSpeak + Sensors and Actuators	Internet of Things October 2019
Course Management System - MySQL, JDBC	Database Management System - October 2019

HONORS AND AWARDS

Excellent Academic Performance Rank within top 4 for the first three years of undergraduate program	50% of Tuition fee waived off for 3 years
CODEX 2019 - Programming contest on HackerRank	Rank 2
University Topper - Freshman year, across all engineering branches	Rank 1/1.3k
School Topper - SSC Board exam (10 th grade)	Rank 1/80
Intermediate Grade Drawing Examination	Grade A
Maharashtra Talent Search Examination	Special Prize
Sanskrit Scholarship Examination	95.6%
High School Scholarship Examination	Rank 22/800k

WORKSHOPS AND SEMINARS

Cobotique Sociale Conference PuneCon 2019 Machine Learning Android Development	E-Tonomy IEEE AI Adventures BitCode Technologies
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