

Pranav Manjunath

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AWS Machine Learning Certified

EDUCATION

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| MS in Interdisciplinary Data Science (GPA: 3.957) <i>Duke University</i> | Aug 2020 – May 2022 <i>Durham, NC</i> |
| BE in Computer Science and Engineering (Certificate of Distinction) <i>Visvesvaraya Technological University (PESIT)</i> | Aug 2016 – May 2020 <i>Bangalore, India</i> |

EXPERIENCE

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| Health AI Researcher - +DS Program <i>Duke University</i> | May 2021 – Present <i>Durham, NC</i> |
| <ul style="list-style-type: none">Working with Prof. Michael Pencina, Prof. Ricardo Henao and a team of Duke Researchers on a NIH grant project to build a Stroke Survival Predictive Model. | |
| Co President - Duke Interdisciplinary Product Management Club <i>Duke University</i> | May 2021 – Present <i>Durham, NC</i> |
| <ul style="list-style-type: none">Co-founded a club at MIDS to join the intersection between Product Management and Data Science. Organize Technical Workshops, Seminars, Datathons, Productions, Strategic Case Competitions | |
| Project Manager - Data+ <i>Duke University</i> | May 2021 – Aug 2021 <i>Durham, NC</i> |
| <ul style="list-style-type: none">Will be managing a team of Duke undergraduate students to develop machine learning features that can be used to identify unknown web attacks.Outcome to be incorporated into Duke's IT security infrastructure to help protect the network. | |
| Data Scientist Summer Intern <i>Advance Auto Parts</i> | May 2021 – Aug 2021 <i>Raleigh, NC</i> |
| <ul style="list-style-type: none">Clustering and topic modelling customer product reviews into key themes utilizing NLP unsupervised algorithms. Used by business leaders to address customer pain points and trendsFeature engineered product, customer, location and vehicle data from various sources leveraging SQL and PythonPresented results and recommendations to stakeholders, company technical interest group and c-suite executive. | |
| Graduate Teaching Assistant <i>Duke University</i> | Dec 2020 – Present <i>Durham, NC</i> |
| <ul style="list-style-type: none">Programming for Data Analytics (Fuqua School of Business) - Prof. Brian Cozzi: Organize weekly office hours to help students with coursework and teach them concepts in Python and R Programming.Data Engineering in the Cloud - Prof. Noah Gift: Help structure the course, grade and review assignments, organize office hours to help students with the coursework.Data Analytics and Applications (Fuqua School of Business) - Prof. Mattia Ciollaro : Organize weekly office hours to help students with coursework and teach them concepts in Machine Learning.Cloud Computing for Data Analysis - Prof. Noah Gift: Help structure the course, grade and review assignments, organize office hours to help students with the coursework.Python Winter Course and MIDS Bootcamp - Prof. Andrew Hilton and Prof. Genevieve Lipp: Organize office hours for students to help teach them Python Programming. | |
| Machine Learning Intern <i>Microland Limited</i> | Jan 2020 – Mar 2020 <i>Bangalore, India</i> |
| <ul style="list-style-type: none">Worked on implementing NLP techniques to effectively cluster in-house generated tickets with appropriate topic modeling (Python).Used HTM to identify anomalies in server data (Python). | |
| Trainee Decision Scientist Intern <i>Mu Sigma</i> | Jan 2019 – Apr 2019 <i>Bangalore, India</i> |
| <ul style="list-style-type: none">Worked collaboratively on a project with a multinational pharmaceutical client in developing a plug and play analytical and statistical platform to implement data pre-processing and regularized regression models. The platform was built on R and R Shiny. | |

PROJECTS

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| Painting Classification - Computer Vision Project <ul style="list-style-type: none">Used CNN-XG Boost Model to classify and predict paintings into its respective genre and artist - Duke University | Jan - May 2021 |
| Small World Experiment - Reinforcement Learning Project <ul style="list-style-type: none">Trained a Q-Learning Model to determine the shortest connectivity between two unknown individuals - Duke University | Jan - May 2021 |
| Facebook Promotional Strategy - AB Testing <ul style="list-style-type: none">Designed, Implemented, and Analyzed Music Promotional Ads on Facebook - Duke University | Jan - May 2021 |
| Real Time Prediction of Stock Prices using Time Series Modelling (AWS) <ul style="list-style-type: none">Data Engineering Systems Project - Duke University | Aug - Dec 2020 |
| Prediction of Genre based on Spotify Musical Features <ul style="list-style-type: none">Modelling and Representation of Data Project - Duke University | Aug - Dec 2020 |
| BERT - Multi Emotion Classification of Social Media Comments <ul style="list-style-type: none">Natural Language Processing Project - Duke University | Aug - Dec 2020 |
| PlaceMeUp - Job Placement ML Prediction Platform <ul style="list-style-type: none">Undergraduate Final Project - PESIT | Aug 2019 - May 2020 |
| EyesPRO - Protect Your Eyes <ul style="list-style-type: none">Android Mobile Application to help reduce myopia in children. Converted into a research paper and won the Best Paper Award at RISE Conference 2018. | Jan - May 2018 |

PUBLICATIONS

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| Springer Publications - Book Chapter in Algorithms for Intelligent Systems <i>Pranav Manjunath & Kushal Naidu</i> Title: Apriori Algorithm and Decision Tree Classification Methods to Mine Educational Data for Evaluating Graduate Admissions to US Universities - Paper Link | Aug 2019 |
| International Journal of Scientific Research in Science and Technology <i>Pranav Manjunath & Nimisha V Arun</i> Title: EyesPro - Protect your Eyes - Paper Link | May 2018 |

SKILLS

Programming Languages: Python, R, SQL (MySQL and Postgres), C

Cloud Services: AWS Machine Learning Certified, Google Cloud Platform

Leadership: Co-Founder of CARE - Career Counselling Services, aiming to guide undergraduate students for Job Placements and Higher Studies (currently over 320 members).
Co - Founder of an internationally acclaimed violin duet band with my brother, Boston Brothers.
Was in the organizing committee of TEDxPESITBSC, international conferences, cultural, and music programs in PESIT.

EXTRA CURRICULAR ACTIVITIES

Professional Violinist and Music Teacher

Trained in Indian Classical Carnatic Music

Performed over 400 concerts worldwide and have received multiple awards, honors and citations.

Received the 1st Rank in the highest Indian Classical Music Examination - Vidwath

Sports

Swimming | Cricket

Won several trophies and medals at District Level Swimming, Boston USA and played for Mallya Aditi International School's Cricket Team (High School) for 4 years.