

# Pranav Manjunath

469-534-1276 | pranav.manjunath@duke.edu | LinkedIn | Github

AWS Machine Learning Certified

## EDUCATION

---

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

## EXPERIENCE

---

<b>Health AI Researcher - +DS Program</b> <i>Duke University</i>	May 2021 – Present <i>Durham, NC</i>
<ul style="list-style-type: none"><li>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.</li></ul>	
<b>Co President - Duke Interdisciplinary Product Management Club</b> <i>Duke University</i>	May 2021 – Present <i>Durham, NC</i>
<ul style="list-style-type: none"><li>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</li></ul>	
<b>Project Manager - Data+</b> <i>Duke University</i>	May 2021 – Aug 2021 <i>Durham, NC</i>
<ul style="list-style-type: none"><li>Will be managing a team of Duke undergraduate students to develop machine learning features that can be used to identify unknown web attacks.</li><li>Outcome to be incorporated into Duke's IT security infrastructure to help protect the network.</li></ul>	
<b>Data Scientist Summer Intern</b> <i>Advance Auto Parts</i>	May 2021 – Aug 2021 <i>Raleigh, NC</i>
<ul style="list-style-type: none"><li>Clustering and topic modelling customer product reviews into key themes utilizing NLP unsupervised algorithms. Used by business leaders to address customer pain points and trends</li><li>Feature engineered product, customer, location and vehicle data from various sources leveraging SQL and Python</li><li>Presented results and recommendations to stakeholders, company technical interest group and c-suite executive.</li></ul>	
<b>Graduate Teaching Assistant</b> <i>Duke University</i>	Dec 2020 – Present <i>Durham, NC</i>
<ul style="list-style-type: none"><li><b>Data Engineering in the Cloud - Prof. Noah Gift:</b> Help structure the course, grade and review assignments, organize office hours to help students with the coursework.</li><li><b>Data Analytics and Applications (Fuqua School of Business) - Prof. Mattia Ciollaro :</b> Organize weekly office hours to help students with coursework and teach them concepts in Machine Learning.</li><li><b>Cloud Computing for Data Analysis - Prof. Noah Gift:</b> Help structure the course, grade and review assignments, organize office hours to help students with the coursework.</li><li><b>Python Winter Course and MIDS Bootcamp - Prof. Andrew Hilton and Prof. Genevieve Lipp:</b> Organize office hours for students to help teach them Python Programming.</li></ul>	
<b>Machine Learning Intern</b> <i>Microland Limited</i>	Jan 2020 – Mar 2020 <i>Bangalore, India</i>
<ul style="list-style-type: none"><li>Worked on implementing NLP techniques to effectively cluster in-house generated tickets with appropriate topic modeling (Python).</li><li>Used HTM to identify anomalies in server data (Python).</li></ul>	
<b>Trainee Decision Scientist Intern</b> <i>Mu Sigma</i>	Jan 2019 – Apr 2019 <i>Bangalore, India</i>
<ul style="list-style-type: none"><li>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.</li></ul>	

## PROJECTS

---

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

## PUBLICATIONS

---

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