

Bhuvan Kumar Chennoju

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EDUCATION AND HONORS

- University of Missouri - Kansas City, School of Computing and Engineering
Masters in Computer science (Data Science Emphasis) Kansas City, MO
Exp. May 2023
- Cumulative GPA: 3.6/4.0
 - Relevant Coursework: Statistical Learning, Machine Learning, Deep Learning, Software Development, Cloud computing.
- National Institute of Technology, Hamirpur Hamirpur, IN
May 2018
- Bachelor of Technology in Mechanical Engineering
- Cumulative GPA: 7.95/10.0 under top 10%

PROFESSIONAL EXPERIENCE

Computational Intelligence and Bio-Identification Technologies Laboratory

Student Data Scientist

Kansas City, MO
August 2022 - Present

- Leveraged engineering techniques to develop a highly accurate ResNet-based Human Identification model for finger vein patterns, achieving 97% \pm 1% accuracy
- Utilized PyTorch and data parallelization on NVIDIA A6000 Linux clusters to optimize code performance and enhance data mining capabilities, where 120 and 360 class complex data was processed to drive statistical analysis.
- Implemented quarterly scheduling, providing strategic analyses and presenting financial performance results to project sponsors, including technical documentation and data visualization.
- Demonstrated Insightful, exceptional attention to detail, analytical, and communication skills, working with minimal supervision to drive decision-making and support leadership objectives.

T-Mobile USA Inc

Software Developer Intern, Advanced and Emerging Technologies Division

Overland Park, KS
May 2022 – August 2022

- Developed a Smart Digital Twin app for Oculus with NLP intent recognizer using C# and achieving 94 \pm 1% accuracy, demonstrating technical discipline and analytical skills.
- Created a nerve-signal-based pyTorch classifier for Mudra Band achieving 97% prediction accuracy with data from 50 people, demonstrating advanced analytical techniques and attention to detail. Helped in decision making of investing in Mudra band.
- Collaborated with fellow interns to develop a 10-class image classifier deployed on Modzy cloud to test edge computing capabilities, showcasing leadership and collaboration skills.
- Presented data driven results to senior leadership with an executive summary detailing value proposition and strategy, highlighting successful execution and measurable metrics.

Spark Foundation Startup

Data Scientist Intern

Remote, IN
October 2020 – December 2020

- Developed a student churn prediction model using logistic regression, decision tree algorithm, and Random Forest algorithm, which led to a 10% reduction in student churn rate.
- Developed data visualization tools and Dashboards using Python, SQL and Tableau to communicate KPIs, insights and monitor business metrics for stakeholders.
- Presented findings and recommendations to senior management and stakeholders clearly and concisely.

Indian Institute of Technology, Bombay

Project Research Assistant

Mumbai, IN
May 2019 – September 2020

- Developed a Regressor to predict the fuel droplet size and distribution with K-means clustering for rocket engine, which saved a total of 500\$ per engine in testing and experimentation.
- Utilized MATLAB, python, and High- performance computing Linux cluster to discover five new combustion patterns in micro combustors. Image processing and Signal processing are implemented.

SKILLS

- Programming Languages: Python, R, Java, C, C#, JavaScript, HTML, CSS, SQL
- Big Data & Machine Learning: Spark, MongoDB, Firebase, Python (eg. scikit-learn, NumPy, pandas, matplotlib), PostgreSQL
- Data Science & Miscellaneous Frameworks: Regression, Classification, Clustering, Decisions Trees, NLP, Random Forests, Transformers, CNNs, ETL, Pytorch, Tensorflow, Data science pipeline (cleaning, visualization, modeling, interpretation), Data Engineering, Statistics, Time series, Hypothesis testing, Optimization, Forecasting, Applied Mathematics, Predictive Modeling, APIs, Excel, Git, Angular, React, Flask, Tableau, MS Excel, Powerpoint, Google cloud

PROJECTS AND LEADERSHIP

Teaching Assistant

Deep Learning, Machine learning & Introduction to Statistical Learning (University of Missouri – Kansas City)

Kansas City, MO
January 2022 – Present

- Collaborated with the instructor to lead recitations, grade coursework, and answer 90+ students' questions.

Master's Research Thesis

University of Missouri- Kansas City

Kansas City, MO
May 2022 –Present

- Developing a temporal graph network based model for predicting the finance business density in various counties..

Kaggle Master - Notebooks

Kaggle Online Data Science Platform

Remote
January 2020 – Present

- Published 10 data science complex projects with open datasets to the Kaggles notebooks category as an open contribution.

ACHIEVEMENTS

- Won 1st & 3rd places in Hackathons organized for Fall 21& 22.
- Kaggle Notebook Master with the best rank of 109 out of nearly 0.2 million Kagglers.