

Bhuvan Kumar Chennaju

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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

PROFESSIONAL EXPERIENCE

Computational Intelligence and Bio-Identification Technologies Laboratory Kansas City, MO
Student Data Scientist 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, provided strategic analyses, and presented 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.

University of Missouri - Kansas City Kansas City, MO
Graduate Teaching Assistant January 2022 – Present

- Courses: Deep Learning, Machine learning, & Introduction to Statistical Learning
- Collaborated with the instructor to lead recitations, grade coursework, and answer 90+ students' questions.

T-Mobile USA Inc Overland Park, KS
Software Developer Intern, Advanced and Emerging Technologies Division May 2022 – August 2022

- Developed a Smart Digital Twin app for Oculus with NLP intent recognizer using C#, 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 the 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 Remote, IN
Data Scientist Intern 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 and insights and monitor business metrics for stakeholders.
- Presented findings and recommendations to senior management and stakeholders clearly and concisely.

Indian Institute of Technology, Bombay Mumbai, IN
Project Research Assistant May 2019 – September 2020

- Developed a Regressor to predict the fuel droplet size and distribution with K-means clustering for rocket engines, 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, Quantitative analysis, Optimization, Forecasting, Applied Mathematics, Predictive Modeling, APIs, Excel, Git, Flask, Tableau, MS Excel, Powerpoint, Google cloud, Mysql, ml algorithms, analytical tools

PROJECTS AND LEADERSHIP

Master's Research Thesis Kansas City, MO
University of Missouri- Kansas City May 2022 –Present

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

Kaggle Master - Notebooks Remote
Kaggle Online Data Science Platform 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.