

BHAVYA CHAWLA

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SUMMARY

Master's candidate with expertise in EDI analysis, machine learning, and python programming. Seeking impactful roles in data science and data engineering for long-term growth. Adept at applying machine learning algorithms and statistical models for forecasting and classification tasks

EDUCATION

Illinois Institute of Technology, Chicago, IL

Expected May 2024

Master of Science (Computer Science), GPA 3.5

Graduate Teaching Assistant, Distribution Manager (Tech News), Senator (Student Government Association), Head of Publicity (Billiards Society)

BHARATI VIDYAPEETH (DEEMED TO BE) UNIVERSITY, Pune, MH

May 2020

Bachelor of Technology in Computer Engineering, GPA 3.7

INTERNSHIPS

Graduate Teaching Assistant

September 2023 - Present

Illinois Institute of Technology, Chicago

- Guiding through UML technology and round-trip engineering under CSP 586 (Software Modeling Development), while also facilitating tutorials on MS Visio to enhance student's practical skills in project modeling,
- Managed and conducted tutorials on time series forecasting, Git, and MS Project, empowering students with insights into software quality, TQM, metrics, and project planning in CS 587 Software Project Management:

Distribution Manager

September 2023 - Present

Tech News, Chicago

- Managing a team of distributors, ensuring timely allocation of 1500 papers. Addressed logistical challenges to optimize efficiency and setting up email newsletters

Data Analyst

July 2022 - August 2022

Globalshala, New Delhi

- Analyzed marketing data for Superhero U, collected and organized data for 11 campaigns based on 13 features, and produced Power Bi reports for campaigns to be discontinued

PROJECTS

Encoder Decoder Lstm On Household Electricity Consumption

January 2024

- Implemented and analyzed advanced models Encoder-Decoder LSTM, CNN-LSTM, and Conv-LSTM on a large dataset spanning four years with over 2 million measurements, achieving significant improvements in predictive accuracy
- Achieved a 35% decrease in RMSD with the Conv-LSTM model, indicating precise electricity consumption forecasting and cost savings

Generative AI For Cost Estimation And Project Planning

November 2023

- Implemented GPT-3 and PostgreSQL for project management automation, utilized the SEERA Software Cost Estimation Dataset, showcasing proficiency in generative AI and data integration
- Attained noteworthy R scores of 0.941 and 0.970 for object points and estimated effort, respectively

Stackoverflow-Github-Microservices

October 2023

- Developed Go, Docker, and Postgres microservices to collect and store data from Stack Overflow and GitHub, focusing on key frameworks
- Conducted experiments (2 days, 7 days, 45 days) and used Prometheus to monitor GitHub and Stack Overflow API calls, providing crucial insights for data-driven decision-making in data science

PROFESSIONAL EXPERIENCE

Associate Consultant

Bristlecone, Pune, Maharashtra

October 2020 - November 2021

- Resolved 290+ tickets in a month to support and troubleshoot multiple EDI-business applications and services
- Collaborated with implementation developers to ensure accurate data results and implementations with zero production errors
- Awarded SPOT award for May 2021, Ranked as top performer in customer support team, outperforming experienced colleagues

CERTIFICATIONS

ML0101EN: Machine Learning with Python - IBM dc68becf6462469596141599de715f48

Introduction to Generative AI Studio - Google HFSUFBP4W4AQ

Prepare Data for Exploration - Google FHHQDLB3WAE4

SKILLS

Frameworks: Keras, Py Torch, TensorFlow, FB Prophet, Openal

Data Management: MongoDB, Numpy, Pandas, Snowflake, PostgreSQL

Deployment & Monitoring: Google Cloud, Docker, Flask, Kubernetes, Prometheus

Languages & Tools: CI/CD, Python, SQL, Go, JavaScript, Git, Linux, Power BI