Harshadeep Chowdary Kommareddi

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EDUCATION

Birla Institute of Technology and Sciences (BITS) Pilani, Dubai Campus **2021 - Present**
Dubai, UAE
- Bachelor Of Engineering (Hons.) Computer Science, CGPA: 8.6
- Relevant coursework: Cryptography, Optimization, Deep Learning, Data Mining, Machine Learning, Neural Networks and Fuzzy Logic, Foundations in Data Science, Natural Language Processing.

FIITJEE, VIJAYAWADA **March 2021**
AP, India
- APBIE (12th Grade examination) – 89.2% overall average.

DR. K.K.R's GOWTHAM HIGH(E.M), GUDIVADA **March 2019**
AP, India
- AISSE (10th Grade CBSE examination) – 88.6% overall average.

WORK EXPERIENCE

HASH GATE TECHNOLOGY **June 2023 – August 2023**
Web Development Intern *Dubai, UAE*
- Worked as a junior front-end developer for the web development team.
- Built multiple websites using Shopify, HTML, CSS, and React JS.

KPTAC TECHNOLOGIES **January 2025 – Present**
Web Development Intern *Dubai, UAE*
- Working as a Junior Developer within the software engineering team.
- Built front-end components with Next.js, TailwindCSS, and TypeScript, and worked with FastAPI and bug detection.

PUBLICATIONS

- Y. Karuparthi, S. H. Shoaib, H. C. Kommareddi and J. A. A. Jothi, "Predicting Energy Demand with Interpretable Machine Learning Models," 2024 International Conference on Artificial Intelligence, Metaverse and Cybersecurity (ICAMAC), Dubai, United Arab Emirates, 2024, pp. 1-6, doi: 10.1109/ICAMAC62387.2024.10829226.

TECHNICAL SKILLS & PROJECTS

- **Technical Skills -** Python, C++, LangChain, LangGraph,TensorFlow, PyTorch, NumPy, Pandas, Power BI, Microsoft Excel, FastAPI, TypeScript, Next JS, Node JS, SQL, MongoDB, HTML, CSS, Tailwind CSS, Java.
- **Certifications** – Project Management Essentials Certified (PMEC)^{TM}, MongoDB Atlas Security, Goldman Sachs Excel Skills for Business Job Simulation on Forage, Artificial Intelligence Fundamentals.
- **Neural Networks Project – Bankruptcy Prediction**
  Developed a deep learning model for bankruptcy prediction using CNN and LSTM networks, achieving 96.11% accuracy. Applied data preprocessing (PCA, SMOTE) to handle class imbalance and enhance performance. Contributed to model building, evaluation, and financial data analysis, demonstrating machine learning and neural network expertise.
- **Foundations in Data Science Project – Supply Chain Optimization using Machine Learning**
  Performed EDA on a dataset of skincare and healthcare products from a startup company and predicted the product's stock level and transportation costs based on various dependent variables using Machine Learning models. GUI was made using Streamlit.
- **Web Scraping Project – Amazon Product Price Watcher and Notification System**
  Built a full-stack Amazon price tracker using FastAPI, Next.js, TypeScript, and TailwindCSS. The system lets users enter product URLs and set price thresholds, scrapes product details daily, stores data in CSV format, and sends automated email alerts when prices drop below the user's target.

ADDITIONAL

- **Skills -** Programming, Web Development, Web Scraping, Front-end development, Project Management, Teamwork, Creative Thinking, Time Management, Problem Solving.