Nikhil Chaudhary

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PROFESSIONAL SUMMARY

AI/ML professional with proven expertise in advanced data analysis, deep learning, and software engineering. Skilled in Python, TypeScript, and cloud platforms, delivering robust data-driven solutions to complex business challenges. Eager to drive innovation by combining analytical insights with full-stack development.

SKILLS

Programming & Development	Python, TypeScript, C, C++, C#, Java, JavaScript, HTML, CSS, Docker, RESTful APIs, MySQL, Linux, Git, CI/CD
AI/ML & Data Science	PyTorch, TensorFlow, scikit-learn, pandas, NumPy, graph analytics (Neo4j), GNNs, NLP & LLMs (GPT, BERT, Hugging Face), Prompt engineering, model evaluation, performance optimization

EXPERIENCE

Software Developer — Sept 2024 — Present
South Dakota State University — *SD, USA*

- Developed a custom water tank CAD Analysis software for Maguire Iron Company.
- Collaborated with faculty and researchers to design solutions that enhance analysis accuracy for the software.

Software Developer Engineer — Jul 2022 — Jul 2024
Siemens Technologies — *Gurgaon, Haryana,India*

- Worked as a Full Stack Developer to build cloud-based application that helps optimize water supply by considering changing electricity prices, current plant data, demand forecasts, and daily updated prices to optimize pump schedules.
- Drove AngularJs to Angular 14 Migration for the legacy code.
- Optimized the Applications which resulted in gaining new Customer

Data Science Intern — Dec 2020 — Jun 2021
HighRadius Technologies — *Bhubaneswar, Odisha*

- Extracted useful insights from large structured and unstructured datasets.
- Used PDP usecase to evaluate and analyze datasets to generate model relevant financial metrics.
- Applied statistical analysis and ML methods for feature engineering and prediction.

PROJECTS

SIWA OPTIM
Siemens Water

- Worked as Full Stack developer to build cloud-based application that helps optimize water supply by considering changing electricity prices.

Sports Fusion Android Application
PAMC Sports Fusion

- Developed an End-to-End sports fantasy Android Application for PAMC, a Segment at Siemens India

Petals to Metals - Flower Classification
Kaggle Challenge

- https://www.kaggle.com/badasss/petals-to-metal-1-incv3
- Built a Machine Learning model to identify the type of flowers in a large dataset of images.

Traffic sign recognition system using ML
College Project

- https://github.com/Bad33/crispy-octo-dollop/blob/master/DNN.ipynb
- Used Deep Neural Network to solve multi-class classification challange on large dataset of traffic signs.
- Project was done in a group as a part of semester project.

Adopt a Buddy - Pet Classification Problem
Hackerearth ML Challenge

- https://www.kaggle.com/badasss/hackerearth-ml-challange-adopt-a-buddy
- Built a Machine Learning model to determine type and breed of animals based on its physical attributes.

EDUCATION

Master's of Computer Science,
South Dakota State University, USA

Aug 2024 - Present

Bachelor's of Computer Science and Engineering,
KIIT University, Bhubaneswar, India

Jul 2017 - Aug 2021

OTHER HIGHLIGHTS

AI and Machine Learning Workshop on CoronaVirus outbreak   **2020**
Provided by edureka Certificate ID : PX4MR51GM

Ethical Hacking Workshop   **2018**
Kyrion Technology Pvt Ltd at IIT,Kharagpur

Python 101 for Data Science Certification
PY0101EN, provided by Cognitiveclass

Hackerrank certification in Python (Basic) Certificate
https://www.hackerrank.com/certificates/55256e1bbb87