PRITAM MADHUSUDAN CHANNAWAR

Harrison, NJ 07029 | pc64214n@pace.edu | 551-358-8928 | GitHub | LinkedIn | AWS Certificate

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems — **New York, NY**
Master of Science (MS) in Information Systems | **GPA:** 3.97/4 | **Concentration:** Data Science — December 2023

Pune University — **Pune, India**
Master of Engineering (MEng) in Computer Science | **GPA:** 8.3/10 | **Concentration:** Computer Science — May 2015

Swami Ramanand Teerth Marathwada University — **Nanded, India**
Bachelor of Engineering (BEng) in Computer Science | **GPA:** 7.8/10 | **Concentration:** Computer Science — May 2013

RELEVANT COURSEWORK

Python Programming | Mathematical Foundation of Analytics | Scalable Database | Data Analysis | Data Engineer | Artificial Intelligence | Data Science | Machine Learning | Data Mining | Deep Learning (PyTorch, TensorFlow, Keras) | Statistical Modeling

TECHNICAL SKILLS & CERTIFICATION

Programming Languages: Python | R | JavaScript | Angular | **Database Management:** SQL | PostgreSQL | BigQuery | MongoDB
Data Visualization Tools: Tableau| Looker| SAS | **Software:** Jupyter Notebook | GitHub | JIRA | Excel (Advance) | Microsoft Azure | Google Colab | Neo4j | DataBricks | **Certification:** **Amazon Web Services Certified Cloud Practitioner.**

PROFESSIONAL EXPERIENCE

Amare Inc., Generative AI Intern (LLM), New York, USA — September 2023 – December 2023

- Built a model & maintained data pipeline to predict success of potential matches of personality traits, Leveraged NLP for the analysis and comparison of personality traits, resulting in enhanced application performance and efficiency.
- Developed & implemented GPT prompts to automate repetitive tasks, resulting in a 40% improvement in operational efficiency.
- Continuously tested & optimized GPT prompts using OpenAI API for improved performance, driving enhanced accuracy.
- Created ETL workflows to extract data from 30+ sources, transform it into a standardized format, and load it into a data warehouse for further analysis.

ThinkingHut IT Solutions, Data Scientist, Pune, India — April 2021 – October 2021

- Designed a powerful data reporting dashboard for submarine IoT data with millions of records, collaborated with data scientists to develop & deploy a statistical analysis model on extensive data, resulting in a 60% increase in operational efficiency.
- Cleaned 10,000 rows of data by using conditional formulas and data transformation methods using SQL complex queries.
- Prepared questions to consult with CEO and CMO to better understand the company's vision and the KPI.
- Developed & upheld 10+ unique dashboards and reports utilizing Tableau, aimed at ensuring data quality, usage patterns, & performance metrics.
- Led a team in developing and implementing a forecasting model that increased business performance by 70%.

Simplicity Creations, Data Analyst, Pune, India — October 2019 – March 2021

- Designed and implemented a complete Machine learning architecture pipeline from scratch utilizing Machine Learning Operations (MLOps) pipelines and procedures that helped interns and coworkers add new functionality.
- Collaborated closely with a team of over 10 data scientists, bridging Business requirements into technical specifications, refining data models, and shaping data architecture to meet their analytical needs.
- Used advanced Excel formulas such as pivot tables, imports, VLOOKUP's & functions to extract meaningful insights.
- Developed a prototype to identify key influencers on Twitter using clustering techniques over 100,000 data points in Python.
- Contributed to driving business growth through the generation of data-driven hypotheses and insights.

Maestro Intellect, Software Developer, Pune, India — October 2017 – October 2019

- Skilled in developing web applications and RESTful web services using JavaScript, Angular2+, HTML, CSS, & Bootstrap
- Created and defined reusable components and services for a web app resulting in a 20% improvement in code efficiency.

ACADEMIC PROJECT & VIRTUAL COMPETIONS

Analyzing NYC 311 Service Requests: Identifying Patterns, Prioritizing Issues, and Improving Public Services — November 2023

- Analyzed NYC 311 Service Requests from March to October 2023, using machine learning to find trends in over 1.5 million requests, aiming to improve government efficiency.
- Created predictive models—Ridge regression, XGB, and deep learning with Keras NN—achieving 92% accuracy, forecasting complaint types, response times, and categorizing agencies, refining response strategies.

- Utilized Kepler.gl for geospatial analysis, mapping service requests across city districts, identifying hotspots and service variations, providing actionable insights for agencies and stakeholders.

Spot the Mask Challenge, Zindi Africa, Participant October 2023

- Developed a deep learning model utilizing the TensorFlow & Keras frameworks to accurately detect face mask usage in images.
- Implemented a Convolutional Neural Network (CNN) architecture, achieving an impressive accuracy of 96% on the test set, Fine-tuned the model using transfer learning with a pre-trained ResNet-50 architecture, further improving performance.

COVID-19 case Prediction Analyzing Large Clinical Data September 2023

- Cleaned large-scale clinical data and Implemented feature engineering techniques to extract relevant information such as age, and laboratory test results using python libraries such as Pandas, NumPy, and Scikit-learn, resulting 20% improved performance.
- Developed a machine learning model to predict COVID-19 cases based on clinical data, achieving an accuracy rate of 90%, applied ensemble learning which improved model performance to 91% accuracy.

AWARDS & PUBLICATIONS

- **International Student Scholarship**: granted for exceptional academic achievement and educational background.
- **Publication**: "Vampire Attack: Energy Efficient Trust Based Solution" International Journal of Science & Research