

Kevin Simon

Machine Learning Engineer

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SUMMARY

5+ years experienced machine learning professional armed with a prolific track record of designing machine learning systems, building algorithms, and developing models across diversified industries. Adept at analyzing data, verifying data quality, and examining customer behavior as part of making data-driven recommendations & providing compelling value to key clients. Proficient in collaborating with high-performing professionals and building data sets to develop solutions and slash costs.

KEY SKILLS

- Machine Learning Model Development • Data Collation & Analysis • Predictive Modeling • System Design & Development
- Data Integrity • Model Enhancement • Customer Behavior Analysis • Dataset Building • Dashboard Creation
- Time Optimization • Cost Reduction • UI Design • Team Collaboration • Recruitment & Training

TECHNICAL SKILLS

- Tools & Languages:** Pandas, scikit-learn, Neo4j, PostgreSQL, Hive, Spark, Python
- Statistics/Machine Learning:** Statistical Analysis, Linear/Logistic Regression, Clustering, k-means clustering

PROFESSIONAL EXPERIENCE

Machine Learning Engineer

Dec '19 - Present

InstaCore Private Limited

SF, CA

InstaCore Pvt. Ltd. has been providing technological solutions for 5 decades with an employee base of ~10k and generating ~USD 50mn. in revenue

Key Achievements

- Received **Employee of the Year** Award for surpassing the assigned targets by 15%
- Developed customer segmentation algorithm in R resulting in an increase in **market share** by 25%
- Played a key role in optimizing personal algorithms for applications with **3M+ users**

System Design & Product Improvement

- Performing a key role in designing and developing **analysis systems** to extract information from large scale database
- Improving the quality of user-facing products by researching and developing analysis, forecasting & optimization methods
- Deploying Neo4j for designing **graph database** as part of recommending real-time products to users via smaller codebase

Model Development & Training

- Creating **synthetic datasets** as part of developing models and reducing data acquisition costs by 18%
- Developing **OpenCV** machine learning solutions for senior management as part of facilitating smooth decision making
- Building **ML models** and pipelines for use cases across facets spanning e-commerce, consumer data, markets, logistics, etc.
- Hiring and training recruits on designing Machine Learning (ML) systems and implementing ML algorithms and tools

INTERNSHIP

Machine Learning Intern

Oct '16 - Nov '17

Cohberry Solutions

Seattle, WA

It is a Seattle-based company providing software solutions across 6+ cities with an employee base of ~5k professionals

Team Collaboration & Dataset Building

- Utilized Juniper router data to develop machine learning models to identify outliers with **94% accuracy** and **0.1% false positives**
- Collaborated with the product team of **10+** professionals to integrate ideas into products and develop Machine Learning solutions
- Built **predictive models** with 100% accuracy by employing decision trees to anticipate customers' behavior

EDUCATION

Master of Science in Machine Learning

Sep '16 - Nov '18

Georgetown University

Washington, D.C.

- CGPA: 3.8/4.0

Bachelor of Science in Computer Science

Jun '11 - Aug '15

University of San Francisco

SF, CA

- CGPA: 3.5/4.0

Machine Learning PROJECTS

- Key Project 1:** Customer Segmentation
 - Utilized k-means clustering algorithm to divide customers based on their purchase history, gender, age, interest, etc.
 - Key Achievement:** Increased sales by 25% by running user-specific campaigns
- Key Project 2:** Loan Prediction using Machine Learning
 - Built a linear model to classify how much loan a user can take on the basis of education, marital, and employment status
- Key Project 3:** Housing Prices Prediction
 - Gathered and analyzed data to forecast house prices in Boston based on crime rate, number of rooms, etc.

CERTIFICATIONS

- Certificate Program in Machine Learning & Artificial Intelligence | eCornell | Jan '21
- Deep Learning Specialization | Coursera | Aug '19
- Data Science: Foundations using R Specialization | Coursera | May '19