JWALIN THAKER

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EDUCATION

Stevens Institute of Technology — **Hoboken, NJ**
MS in Applied Artificial Intelligence, Data Engineering — *Expected May 2023*
Honors: Provost Masters Graduate Scholarship
Courses: Applied Machine Learning, Big Data Acquisition and Analysis, Deep learning, Modeling & Optimizations, Statistics
GPA: 4.0/4.0

Institute of Technology, Nirma University — **Ahmedabad, GJ**
Bachelor of Technology in Information Technology — *August 2014 - May 2018*
Courses: Data Visualization, Agile Software Engineering, Operating Systems, Data Structures, Web designing, Blockchain
GPA: 3.5/4.0

EXPERIENCE

SageSure Insurance Managers LLC — **Jersey City, NJ**
Data Scientist — *June 2022 - December 2022*
- Performed catastrophe modeling and data visualizations using XGBoost and modern ETL on GIS data with 93% accuracy
- Design and architect decentralized rating factor service housing 4 REST APIs, powered by AWS Lambda and IAM
- Practice periodic system data pipeline sanity checks like data labeling, exploration, cleaning, and modeling using SQL and Python

Lyearn Pvt. Ltd. — **Bengaluru, KA**
Senior Software Developer — *June 2018 - July 2021*
- Collaboratively devised 50+ scalable backend APIs for OAuth and SSO with single millisecond performance KPIs
- Piloted client success and communications' team for 4 global enterprises - *Salesforce, Datadog, Belcorp and Microsoft*
- Supervised a team of 5 full stack developers as a product manager for researching 2 video conferencing products

SKILLS

Cloud Services: Amazon Web Services, Google Cloud Platform
Programming Languages: Node.js, Python, Typescript, HTML
Databases: MongoDB, DynamoDB, Elasticsearch, Redshift, PostgreSQL, Redis
Developer Tools: Git, VS Code, Notion, Slack, Figma, Jira, Linear, Intercom
Frameworks and libraries: GraphQL, Hadoop, Kafka, Kubernetes, TensorFlow, Docker, Numpy, Pandas, Sklearn
BI Tools: Tableau, Power BI, Domo
Soft: Self-motivation, Problem Solving, Time Management, Communication, Decision Making, Analytical

PROJECTS

Robocon Multitasking Robots — **August 2014 - May 2018**
- Fabricated and programmed multiple adaptive, self-corrective, and smart autonomous robots to perform theme-based tasks
- Developed custom computer vision models over base CNN for ball detection algorithms in robots using OpenCV, Kinect and ROS

"NirPay" Bill Automation App — **May 2017 - October 2017**
- Created a dynamic web app for paperless management of budgets & bills using pdf parse, reducing annual waste by 20%
- Worked with Stripe for third-party API integrations as a payment gateway solution with seamless onboarding and live dashboards

Self-driving Car Simulation — **August 2016 - November 2016**
- Modeled a game logic with datasets comprising of 10000+ agent simulation runs using Spark as data processing tool
- Implemented DQN Reinforcement learning over Pygame with inspiration from MIT deep learning lectures to imitate policies

ACTIVITIES

Google Student Ambassadors Club (GSAC) — **Ahmedabad, GJ**
Technical and marketing head — *August 2015 - May 2018*
- Initiated drives to source volunteering and expand the Google community inside university (open-source hackathons)
- Hosted webinars on Google products and services – AdSense, AR/VR Tech, Analytics, Firestore

AWARDS

- National winner of ABU Robocon International Robotics Competition (Pune) — 2015 and 2018
- Recognized national volleyball player, semi-finalists position in competition (Chennai) — November 2013