

VIGNESH P

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PROFILE

Product-minded engineer with hands-on experience building ML pipelines, analytics platforms, and data-driven solutions to real business problems. Combines technical depth in Python, SQL, and machine learning with the ability to communicate findings clearly to non-technical stakeholders. Experienced in competitive analysis, hypothesis-driven experimentation, and cross-functional collaboration in fast-paced startup environments. Actively seeking summer internships from June 2026 across ML, software engineering, and analytics roles.

EDUCATION

B.Tech in Computer Science & Engineering

SRM Institute of Science and Technology, Chennai

June 2023 – May 2027

CGPA: 8.27 (5th Semester)

Coursework: Data Structures and Algorithms, Database Systems, Operating Systems, Computer Networking

EXPERIENCE

Machine Learning Intern | Continual Engine

Dec 2025 – Jan 2026

Remote

- Engineered an end-to-end ML pipeline in Python processing 20K+ images across 6 stages: ingestion, cleaning, augmentation, feature extraction, model training, and evaluation, reducing manual preprocessing time by 40%.
- Benchmarked 3 deep learning architectures (EfficientNet-V2, ResNet, MobileNet) across 15+ experiment cycles, recommending EfficientNet-V2 based on accuracy, speed, and cost tradeoffs that influenced production decisions.
- Translated technical model findings and performance metrics into structured stakeholder reports, enabling engineering leadership to make data-backed architecture decisions 3x faster.
- Collaborated with 4 senior engineers and product stakeholders across the full project lifecycle, delivering production-ready outputs within a 6-week timeline in a fast-paced remote startup.

PROJECTS

Customer Retention Analytics & Predictive Intelligence Platform · Python · Streamlit · SQL 2025

- Designed a full data pipeline across 5 stages, engineering features from 50K+ customer records and training a churn prediction model achieving 85% accuracy.
- Built KPI dashboards tracking 10+ retention metrics, cutting stakeholder time-to-insight by 60% and enabling real-time monitoring of breakdown trends.

Strategic Sales Intelligence & Business Optimization Platform · Python · Tableau · Excel 2024

- Automated a 5-step ETL pipeline replacing 40% of manual aggregation workflows, consolidating data from 3 source systems into a centralised Tableau dashboard.
- Delivered demand forecasting recommendations across 6 product lines that improved forecast accuracy and cut decision cycle time by 50%.

Financial Fraud Detection & Risk Intelligence System · Python · Scikit-learn · Git 2024

- Trained a supervised ML anomaly detection model on 100K+ transaction records, lifting detection accuracy by 20% through feature engineering across 12 variables.
- Packaged a modular, production-ready codebase with structured documentation and Git version control, standardising the pipeline for future contributors.

TECHNICAL SKILLS

Languages: Python, SQL, Java

ML & AI: PyTorch, Scikit-learn, EfficientNet-V2, data augmentation, feature engineering, model evaluation, pipeline optimisation

Data & Analytics: Pandas, NumPy, Tableau, Excel, SAP Analytics Cloud, Streamlit, KPI dashboarding, ETL design

Tools: Git, FastAPI, Oracle Cloud, Salesforce, Kaggle, Linux (basic)

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Data Science Professional
- Oracle Cloud Infrastructure 2024 Data Foundations Associate
- SAP Certified Data Analyst, SAP Analytics Cloud
- Salesforce Certified Agentforce Specialist
- Business Analytics Specialization, Wharton School / Coursera
- Understanding and Visualizing Data with Python, University of Michigan