┌─ Submission information ─────────────────────────────────

Form: Rollingwood Community Development Corporation (RCDC) Application [1]
Submitted by Visitor (not verified)
Fri, 11/07/2025 - 4:28pm
198.41.227.156

└──

Full Name
Arunachalam Natesan

Phone Number
████████

E-mail
███████████████

Home Address
████████████████ Rollingwood, TX 78746

Employment

Occupation
Machine Learning Engineer

Employer
Reserv

Business Address
99 Wall Street, New York City, New York, 10005

Qualifications

Are you a United States Citizen?
Yes

Are you eighteen (18) years of age or older?
Yes

Are you a registered voter of the City?
Yes

How long have you been a resident of Rollingwood?
4 years, but I grew up in Rollingwood as well

Have you resided continuously in the state for twelve (12) months immediately preceding today's date?
Yes

Have you resided continuously in the City of Rollingwood for six (6) months immediately preceding today's date?
Yes

Have you been determined by a final judgment of a court exercising probate jurisdiction to be: (A) totally mentally incapacitated; or (B) partially mentally incapacitated without the right to vote?
No

Have you been finally convicted of a felony from which you have not been pardoned or otherwise released from the resulting disabilities?
no

Experience

Please give a brief resume, including education, past employment, any special background or qualifications you have for service on the Rollingwood Community Development Corporation. Use attachments if necessary.
Studied Engineering at Stanford, and went into data science/AI post college. I worked at several Fintech companies building models for risk, customer value, and underwriting evaluation. More recently I've worked with construction data and models. I now work at a property casualty insurance startup building AI for streamlining the claims process. On the personal side, I have an interest in construction, architecture, and design.

Upload Resume (Optional)
arun_natesan_resume.pdf [2]

Have you previously served on a Board or Commission?
No

If yes, which board or commission and how long?

Please state why you wish to serve the Rollingwood Community Development Corporation?
Rollingwood is diverse and has a variety of viewpoints. We want to maintain the old charm and freedom of the city that drew us all here, but at the same time we want to develop our city to best serve the needs of all it's residents. These two goals can sometimes live in tension with each other, and many of the more spirited discussions at the city level have embodied that tension. I grew up in Rollingwood and have seen it change so much since I was young. At the same time I am a young professional who moved into the city in the past few years with a kid on the way. I think this dual perspective is both somewhat unique and bridging.

This city has given me so much. From childhood memories and lifelong friends to now a home and a welcoming community, I owe it a great debt of gratitude. If I can give back in even the smallest way, it is my civic duty to do so. I think serving on RCDC would be a good start.

Source URL:https://www.rollingwoodtx.gov/node/9504/submission/5457

Links
[1] https://www.rollingwoodtx.gov/bc/webform/rollingwood-community-development-corporation-rcdc-application [2] https://www.rollingwoodtx.gov/system/files/webform/arun_natesan_resume.pdf

Arun Natesan
Austin, TX

Experience

Procore Technologies (2022 – 2025):

Senior Machine Learning Engineer
- Built the core risk model used in underwriting material financing transactions. The model reduced loss rates by over 80%.
- Contributed to Automatic Data Capture work: extracting data from construction documents using OCR, and then running classification, NLP, and generative models on the data to create accurate, useful labeled data for a multitude of downstream use cases.
- Developed a tree-based Operational Excellence model using behavioral metrics to predict project outcomes. Leveraged SHAP values to generate normalized, user-specific recommendations integrated into Procore's LLM powered Copilot for real-time next best action guidance

Affirm (2021 – 2022):

Senior Data Scientist
- Built the Merchant Lifetime Value model used for marketing and merchant partnerships.
- Led a team that built the Merchant Churn Risk model.
- Ran A/B tests improving the merchant onboarding funnel and post-onboarding experience which led to a 55% increase in merchant activation and a 12% increase in merchant retention.

Earnin (2018 – 2021):

Senior Data Scientist
- Built the Customer Lifetime Value model and underlying data structures used for company-wide finance and growth planning. Also used as an important feeder model for the core risk model.
- Built the marketing spend optimization model as well as the underlying marketing attribution model used to make over $50M in marketing spend decisions.
- Led a team that built a complex, near real-time data pipeline to enable researchers including Harvard's Opportunity Insights group, to study the economic impact of COVID-19 and subsequent policy decisions while maintaining strong data anonymity. NYTimes article Bloomberg article

Stanford Children's Health | Lucille Packard Children's Hospital (2017):

Operations Research – Data Analyst
- Analyzed data to identify underutilized resources and worked with staff to implement strategies to increase utilization. Our suggestions increased recovery room throughput by 10%.

Stanford Institute for Economic Policy Research (2016 – 2017):

Ballmer Group – Research Assistant
- Worked to create a data profile of the US government with detailed accounts of spending and key performance indicators (KPIs) for each sector of spending.
- Presented sections of the data to Steve Ballmer and the rest of the team to ensure quality and clarity.

Deloitte Consulting (2013 – 2015):

Rhode Island Unified Health Infrastructure Project (UHIP) – Project Analyst
- Wrote eligibility rules for all social services and assisted with the database migration.
- Interacted with employees of the state of Rhode Island to determine user needs and managed a team of 4 developers to ensure user requirements were met.
- Showcased our system to top-level state partners including the Governor of Rhode Island.
- Led User Acceptance Testing for both phases and supervised a team of 20-25 testers each time.

Education

Stanford University (2012 – 2018):

B.S. – Management Science and Engineering (MS&E)
- Operations Analytics Focus

Skills

- Strong understanding of probability, statistics, and many domains of machine learning (NLP, classification, regression, anomaly detection, clustering, etc.)
- Experienced working with large structured and unstructured datasets in a distributed environment
- Working knowledge of modern ETL, ELT, and data infrastructure practices
- **Software and Programming Languages:** Python, R, SQL, Airflow, Kafka, Rest, MLflow, DBT, AWS (S3, EC2, Lambda), Databricks, LangChain, Frontier LLMs