

# Glen Vadakkooth

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## Education

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<b>University of Colorado Boulder</b>	Boulder, Colorado
• Master of Science in Data Science	August 2025 – April 2027
<b>Vellore Institute of Technology</b>	Andhra Pradesh, India
• Bachelor of Technology - Computer Science and Engineering; CGPA: 9.10	July 2018 – May 2022

## Experience

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<b>Software Engineer 2</b> , JLL Technologies, Bangalore, India	Sep 2024 – Jul 2025
• Designed and deployed analytics modules integrating real estate and financial datasets, enabling data-driven decision making and increasing stakeholder product value by 15%.	
• Collaborated with analysts to define and implement KPI tracking systems, building metric configuration pipelines that improved decision-making efficiency by 20%.	
<b>React UI Engineer - Analytics</b> , JLL Technologies, Bangalore, India	Jul 2022 – Aug 2024
• Built real-time analytics dashboards using Cube.js, SQL and React.JS, transforming operational and financial data into actionable insights for 500+ end users.	
• Developed REST/GraphQL API integrations to query data warehouses, enabling seamless data flow across the Azara analytics platform.	
<b>React UI Engineer Intern - Analytics</b> , JLL Technologies, Bangalore, India	Jan 2022 – Jul 2022
• Developed interactive data visualization dashboards with Highcharts, writing SQL queries to surface real estate and user behavior metrics.	

## Projects

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<b>Credit Card Payment Tracker</b>	Jan 2026 - Present
• Building an end-to-end data pipeline with Plaid API, Python, and cloud infrastructure (AWS S3, Snowflake, dbt, Terraform) to consolidate multi-account billing data into a unified dashboard with automated payment reminders.	
<b>Resume-Job Matching System</b>	Jan 2026 - Present
• Engineering a semantic matching engine that leverages OpenAI embeddings to compute similarity scores between candidate profiles and job descriptions. A fullstack application with resume parsing and job aggregation.	
<b>LLM-Powered Exploratory Data Analysis Tool</b>	Feb 2026
• Created an automated Python insights generator that processes raw datasets and outputs natural language summaries using Google Gemini API. Reduced manual exploratory analysis time by 60%.	
<b>Sentiment Classification System using NLP</b>	Jan 2026
• Developed an end-to-end text classification pipeline with preprocessing, vectorization, and model benchmarking using Python and Scikit-learn.	
<b>Retail Transaction Analysis – Statistical Insights</b>	Nov 2025
• Conducted statistical analysis on 550K+ transaction records to uncover demographic drivers of purchasing behavior.	
• Employed bootstrapping techniques and confidence interval estimation to validate spending pattern hypotheses.	

## Skills

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**Languages** : Python, SQL, R, Java, JavaScript, Typescript

**Libraries & Frameworks** : NumPy, Pandas, Scikit-learn, PyTorch, TensorFlow, Keras, React.js, Cube.js

**Tools & Platforms** : Docker, Kubernetes, Node.js, AWS S3, Snowflake, dbt, Postman, GraphQL, Git, Terraform, Firebase, Excel

## Achievements

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- Shining Star Award for exemplary performance in building Azara Data Insights Platform, 2022-23
- Ranked 10th in CSE Core at VIT-AP, 2018-22