

PANDI (VISH) VISHUVA

Boston, MA (Open for relocation) | 857-397-6562 | vishuvapandi@gmail.com | [Portfolio](#) | linkedin.com/in/vishuva

PROFESSIONAL SUMMARY

Data Engineer with 3+ years' experience performing large-scale data analysis, **cloud-integrated analytics systems** & supporting Data pipelines. With a blend of Python, AWS services expertise & statistical model expertise, I've collaborated with cross-functional teams in delivering measurable impact. Team player with deep knowledge in **end-to-end deployment** aligned model architecture.

PROFESSIONAL EXPERIENCE

Ross Centre for Disability Services - University of Mass. Boston - <i>Technology-enabled, equitable access adopter</i>	Boston, MA
Developer Assistant	August 2025 - December 2025
<ul style="list-style-type: none">Architecting and developing a cloud-native accessibility application architecture modernizing the monolithic student accommodation system into a modular, event-driven platform focusing on alt. access & technologyBuilding the backend serverless using AWS Lambda, API Gateway, and RDS (PostgreSQL), exposing secured RESTful APIs consumed by a React Native front-end & terraform for Infrastructure as Code(IaC)	
Accenture - <i>World's leading consulting, technology & operational services</i>	Hyderabad, India
Application Development Engineer (On-site Consultant Deployed from Accenture)	May 2021 - December 2023
<ul style="list-style-type: none">Contributed to the technical consultation team 'Project Kalpatru-NMDC Ltd' - 11 modules, 29 contributors, 15158 usersBuilt & managed 5+ Python/ABAP modules turning legacy OpenSQL data to actionable data reports with automated servicesCoordinated with dev & QA spending 17+ hours per week in code review, boosting uptime by 3% increasing attention to detailAuthored 30+ technical documentation, onboarding new team members, & documenting knowledge transfer	
TATA Consultancy Services – <i>India's leading end-to-end IT services consultancy across industries</i>	Chennai, India
Associate Developer	March 2021 - May 2021
<ul style="list-style-type: none">Helped designing 2 analytics dashboards for Telecom & Banking clients with visibility to operational metricsImproved product quality establishing CI/CD workflows using Git, Jenkins & code validation processesOptimized SQL queries & stored procedures, R for analytics, supporting high-volume transactional systems	

EDUCATION

University of Massachusetts Boston	Boston, MA
Master of Science: Information Technology (STEM Designated 11.0103) GPA 4.00	January 2024 – December 2025
<ul style="list-style-type: none">Academic Capstone Project: Data Engineering at Drug demand forecasting model using LLM- Designed Kafka & AWS pipelines, scalable data models, & analytics-ready dataset enabling reliable forecasting towards 1.8 trillion global pharmaceutical marketTeaching Assistant for "Data Warehousing for Business Intelligence" (IT 471) & "Data Mining for Management applications" (IT 472), taught 30+ undergraduate students per class	

Anna University Chennai

Chennai, India

Bachelor of Technology: Information Technology	June 2016 - November 2020
<ul style="list-style-type: none">Research Assistant: Conducted ~25 interviews to develop emergency assistance tech designs for the well-being of geriatric patients	

SKILLS & Certifications

<ul style="list-style-type: none">Certifications: AWS Certified Solution Architect – Associate, AWS Certified AI PractitionerProgramming: Python, SQL, R, MATLAB, SAP ABAP; Databases: PostgreSQL, MySQL, Oracle, SAP HANAData Engineering: Spark, Kafka, AWS Lambda, S3, Athena, RDS, Event-driven pipelinesCloud & DevOps: AWS (Lambda, EC2, S3, API Gateway, IAM), Docker, Jenkins, GitHub CI/CDTools: JIRA, Postman, GitHub Copilot, CloudWatch, Terraform, REST API testing, Android StudioAnalytics & Business Intelligence: PowerBI, Tableau, Excel, Pandas, NumPy, PyTest

ACADEMIC & PERSONAL PROJECTS

LLM-Driven Drug Demand Forecasting - AWS, Kafka, Python, PowerBI

- Analyzed 10+ regional records (~200k) identifying demand-supply gap, for 3 high-need regions covering ~18% unmet demand
- Reduced projected stock-out risk by 30%, enabling inventory optimization & identifying targeted regional market campaigns

Application for Time Series Analysis of Weather Forecasting – MATLAB, Android Studio

- Built ANN timeseries model on 50K+ weather records, improving short-term forecast accuracy by 5% over traditional method
- Implemented ANN, TLNN, and SANN in MATLAB with Android-based visualization, enabling real-time forecast monitoring

ADDITIONAL INFORMATION

- On-site Client Liaison; Spearheaded 7-member tech team for Go-Live, for smooth, issue-free deployment
- Student Hall Secretary; Represented 600+ residents in policy decisions and infrastructure feedback