VISHUVA (VISH) PAL

Cloud Application Developer | Boston, MA | Authorized to Work on OPT | STEM OPT Extension Eligible

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PROFESSIONAL SUMMARY

Software Engineer with 3+ YOE in building scalable enterprise systems. With a proven track record in client and customer handling, I specialize in enterprise cloud migration, building AWS-backed architectures, and helping organizations. Highly motivated to contribute to an operations ecosystem, enhancing the security, performance, stability, and scalability of applications, aligning with organizational goals & service quality

EDUCATION

University of Massachusetts - Boston, Boston, MA   Jan 2024 - Dec 2025

 Master's Degree, Information Technology   Overall GPA: **4/4**

 Relevant Coursework: Cloud Computing, Data Warehousing, Business Programming, Project Management

Anna University - Chennai, India   Jul 2016 - Nov 2020

 Bachelor's Degree, Information Technology   Overall GPA: **7.2/10**

EXPERIENCE

University of Massachusetts Boston, Student Developer, Boston, MA   Aug 2025 - Present

- Architecting and developing a cloud-native accessibility application modernizing the office's monolithic student accommodation system into a modular, event-driven platform focusing on alt. access & technology
- Building the backend serverless using AWS Lambda, API Gateway, and RDS (PostgreSQL), exposing secured RESTful APIs consumed by a React Native front-end

Accenture, Associate Software Engineer, Hyderabad, India   May 2021 - Dec 2023

- Contributed to consultation team 'Project Kalpatru-NMDC Ltd' - 11 modules, 29 contributors, 15158 users
- Built and managed 5+ administrative ABAP modules, with reusable service logic for easy client translation
- Coordinated with dev, QA, and delivery helping code review, boosting system uptime from 98.7% to 99.5%

Tata Consultancy Services, Associate Developer Trainee, Chennai India   Nov 2020 - May 2021

- Designed 4 analytic dashboards for Telecom & Banking clients improving visibility to operational metrics
- Coordinated with infrastructure teams (server/network/DB) & external vendors on escalations & hotfixes

PROJECTS & RESEARCH

LLM-Driven Drug Demand Forecasting (AWS, Kafka, Python, PowerBI)   May 2025

- Analyzed 10+ regional datasets to identify drug demand gaps, flagging 3 high-need regions
- Built forecasting models w/ 92% accuracy, aligning production w/ regional demand 20–25% more effectively
- Reduced stock-out risk by 30% and revealed new pharma markets for targeted campaigns

M&A Sentiment Analytics in Tech Sector (Excel, Tableau, PowerBI)   May 2024

- Studied 1,120+ M&A events to detect stock price behavior post-merger
- Used PowerBI/Tableau to highlight position gaps across 10 firms, guiding launch timing and benchmarking

SKILLS

Technical Skills: Programming (Python, Java, JavaScript, Typescript), **Framework** (React.js, Flask, Springboot, Transformers)**, SAP (**S/4 HANA, Fiori, Debugging), **Full Stack** (REST APIs, Docker, Jira, AWS (EC2, Lambda, S3), Azure, GCP, Agile/Scrum), **DevOps & Testing**(Git, Jenkins, CI/CD, PyTest)

Soft Skills: Business storytelling, Cross-functional collaboration, Change management

CERTIFICATIONS

- **AWS Certified Solutions Architect – Associate**, Amazon Web Services (AWS)   Sept 2025
- **AWS Certified AI Practitioner,** Amazon Web Services (AWS)   Aug 2025
- **SAP Certified Development Specialist -** ABAP for SAP HANA 2.0   Feb 2023

LEADERSHIP

- **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
- **Student Member** (American Society for Quality), **Member** (Association for Supply Chain Management)