

T B V Sai Teja

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PROFILE

Passionate Software Developer with 12 months of hands-on experience in Java full-stack development. I specialise in building and delivering scalable, production-ready end-to-end applications. A strong problem-solver with a demonstrated ability to contribute effectively across the full development lifecycle.

PROFESSIONAL EXPERIENCE

- Technology Apprentice, Standard Chartered GBS** Jul 2025 – Jul 2026 | Chennai, India
- Built and contributed to the Exception Dashboard (ED), a real-time dashboard aggregating unsettled trades across multiple systems, developing React (TypeScript) frontend screens and integrating RESTful APIs with Spring Boot backend
 - Developed the Corporate Actions (CA) Dashboard to manage high-volume real-time corporate actions data with multi-criteria querying across 12+ filter fields, designing performant backend APIs handling 10k+ records/day and delivering an intuitive interface for operations teams used across 28+ countries by 600+ operations and client users
 - Built end-to-end automation testing across the ED and CA dashboards using Selenium, ensuring no edge cases were left unvalidated against client requirements. Identified critical bugs across key functionalities, reducing manual testing effort with near-zero post-production defects
 - Contributed to the end-to-end infrastructure provisioning workflow for the India Gold Custody deployment on AWS Cloud, configuring and managing cloud components including EC2, Aurora PostgreSQL, ELB, and SC FileIT using Terraform scripts executed through Azure DevOps pipelines
 - Validated data integrity using SQL queries to verify accurate data flow between upstream and downstream databases, resolving mismatches and synchronisation issues to ensure the UI reflects consistent and reliable data
 - Wrote and maintained Jest and JUnit unit test cases and ensured SonarQube quality gate compliance prior to production deployment, maintaining a minimum of 85% code coverage across Azure CI/CD pipelines and eliminating vulnerabilities before release

PROJECTS

- Context-Aware Multilingual Translation System** 🌐 Jan 2025 – May 2025
- Developed a multilingual translation system using MarianMT and BERT, achieving 92.08% accuracy for context-aware translations across 6 Indian languages, with a locally hosted UI for end-to-end usability
 - Fine-tuned the model on an English-Hindi parallel corpus to enhance fluency and idiomatic translation accuracy
 - Integrated speech-to-text and text-to-speech to enable seamless real-time multilingual communication
 - Built an adaptive learning quiz system for users to improve vocabulary and user engagement
- Cervical Cancer Detection using multiple Deep Learning models** 🌐 Aug 2024 – Dec 2024
- Implemented a Python-based deep learning pipeline to classify cervical cell images into five categories using SIPaKMeD dataset
 - Applied SLIC-based superpixel segmentation and Canny edge detection for preprocessing, achieving ROC-AUC above 0.90 across all classes
 - Evaluated and compared multiple pre-trained CNN models including ResNet50, VGG16, EfficientNet variants, and MobileNet architectures, with InceptionV3 achieving the highest accuracy of 94.19%

EDUCATION

- B.Tech in Computer Science and Engineering (AI & ML), VIT-AP University** 2021 – 2025 | Amaravati, India
CGPA: 8.47
- Class 12, CBSE Board, Atomic Energy Central School Anupuram** 2020 – 2021 | Chennai, India
Percentage: 86.2%
- Class 10, CBSE Board, Atomic Energy Central School Anupuram** 2018 – 2019 | Chennai, India
Percentage: 88.6%

SKILLS

Languages: Java, Python, SQL, HTML, CSS, TypeScript

DevOps & Version Control: Azure DevOps, AWS, CI/CD, Git, GitHub

Core Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms, Agile SDLC

Database Management: DBMS, MySQL, PostgreSQL

Full-Stack & Testing: React.js, Spring Boot, REST APIs, Postman, Jest, JUnit, SonarQube, Selenium, Automation Testing

AI/ML & Data Science: Statistics, Machine Learning, Deep Learning, Natural Language Processing, Exploratory Data Analysis (EDA)

CERTIFICATES

- Oracle Certified Professional: Java SE 11 Developer:** 🌐 Oracle, Dec 2023
- Introduction to Software Engineering:** 🌐 Coursera: IBM, Dec 2024
- Introduction to Data Science:** 🌐 Cisco, Feb 2025
- Machine Learning:** 🌐 Coursera: Stanford University & DeepLearning.AI, Feb 2025

AWARDS & RECOGNITION

Recognised for Best Performance in the Payment Initiation

Class MILAM project, selected among the Top 4 projects out of 24 during the Full-Stack Engineering program at Standard Chartered GBS