

EDUCATION

- **Monash University** 2026–Present
Master of Artificial Intelligence - Machine Learning, Deep Learning, Data Science Melbourne, Australia
- **Vellore Institute Of Technology** 2020–2024
Bachelor of Technology - Computer Science and Engineering CGPA: 8.0/10 | GRE: 322/340

EXPERIENCE

- **Tata Consultancy Services (TCS) - Systems Engineer** Sep 2024 – Feb 2026
Full-time Employment – HDFC Bank (BFSI Domain) Bangalore, India
 - Developed and maintained **Java Spring Boot** REST APIs for HDFC Bank's core banking modules, supporting high-volume financial transactions in the BFSI domain.
 - Built and executed automated test suites (unit, integration, regression) using **Selenium**, reducing manual QA effort and improving release confidence.
 - Performed root cause analysis on production defects across 3+ banking modules and contributed to **CI/CD pipelines** using Git for consistent deployments.
 - Delivered features, bug fixes in an agile CRM team of 10+ for critical banking systems under tight deadlines.
- **Artificial Intelligence Powered by Google Developers** Jun 2023 – Jul 2023
Internship Remote
 - Developed an interactive GUI application to enhance mathematics learning using AI-based shape recognition.
 - Implemented models using TensorFlow and Keras to detect hand-drawn shapes and generate relevant formulas.
 - Built and deployed the application using Flask, NumPy, and Matplotlib.
 - Collaborated using Jupyter Notebook, IBM Watson Studio, and Anaconda to deliver project objectives.

PROJECTS

- **SMART MATHEMATICS TUTOR**
 - *AI-based shape recognition system*
 - Built a CNN model (TensorFlow, Keras) to classify hand-drawn shapes with high accuracy.
 - Achieved ~99% precision in shape recognition, ensuring reliable predictions.
 - Developed a Flask-based app to detect shapes and display formulas, area, and perimeter in real-time.
 - Applied image preprocessing and data augmentation to improve model performance.
 - Tools: Python, TensorFlow, Keras, OpenCV, Flask, NumPy, Matplotlib.
- **BLOCKCHAIN-BASED SECURE DATA STORAGE WITH SHA-512 ENCRYPTION**
 - *Secure File Transaction System with Blockchain and SHA-512*
 - Implemented AES encryption and SHA-512 hashing for robust protection; conducted comparative analysis of MD5, SHA-1, SHA-256, and SHA-512.
 - Designed smart contracts for secondary verification access control across a 4-stage pipeline: Data Owner, Data User, Private Blockchain, Public Blockchain.
 - Tools: Blockchain (Private & Public), AES, SHA-512, MySQL, HTML, CSS.

TECHNICAL SKILLS

Languages: Python, Java
Backend: Spring Boot, REST APIs, Flask
AI/ML: TensorFlow, Keras, OpenCV, NumPy, Matplotlib
Testing: Selenium, Postman
Blockchain: Smart Contracts, SHA-512, AES Encryption
DevOps: Jenkins, Git, CI/CD
Core Concepts: Machine Learning, Deep Learning, Computer Vision

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** - AWS
- **Artificial Intelligence Powered by Google Developers** - SMART INTERNZ
- **Web Developer Intern** - AR Brands
- **Full Stack Web Developer (MERN)** - PREGRAD