ABHIRAM DEVARUPPULA

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EDUCATION

SR University – Bachelor of Technology   **Aug 2023 – Jun 2026**
Computer Science and Engineering (Graduation in 2026)   *CGPA: 7.8/10*

Relevant Coursework: Data Structures & Algorithms, Computer Networks, Database Management Systems, AI &
ML, Probability & Statistics.

SVS Group of institutions - Diploma   **Sep 2020 – May 2023**
Electronics and Communication Engineering

Sri chaitanya school - SSC   **May 2020**
Warangal

EXPERIENCE

AI/ML Development Intern | *Gustovalley Technovations* | *Remote*   **May 2024 – June 2024**
- Improved AI model performance by 80% through optimization of deep learning pipelines using TensorFlow and PyTorch.
- Engineered and launched three scalable machine learning models utilizing TensorFlow and PyTorch, enhancing data processing speed by 20% and achieving 95% accuracy in user behavior prediction.

PROJECTS

Digital Payment System   github
- Spearheaded the development of a secure web-based payment system utilizing Java Servlets, AngularJS, and JDBC, resulting in a 99.9% transaction success rate and seamless user authentication.
- Accelerated front-end delivery for 3 developers by 35%, spearheaded the development and implementation of reusable AngularJS components, and slashed front-end development time by 20 hours per week.

Optimization of Vehicle Fuel Economy   github
- Analyzed a large fuel economy dataset, identifying outlier vehicles with unexpectedly low MPG; conducted follow-up research on three specific models for performance optimization.
- Developed a feature selection process using mutual information gain, decreasing the dataset size by 20% and accelerating model training time by 25% while upholding prediction accuracy.

Smart-IoT-Based-Fence-Alert-System   github
- Engineered fence intrusion alert system with microcontroller and sensors, achieving real-time detection and automated SMS alerts, reducing false positives by 15%.
- Integrated hardware and software components with cloud connectivity, ensuring reliable monitoring, rapid notifications, and scalable deployment.

TECHNICAL SKILLS

Programming	: Java, Python, JavaScript, C, SQL
Frontend	: HTML, CSS, JavaScript, AngularJS (learning React)
Backend	: Java Servlets, JDBC (learning Node.js & Django)
Databases	: MySQL, OracleDB, MariaDB (basic knowledge of MongoDB)
Cloud & Tools	: Git, GitHub, AWS, GCP, Postman, Apache Tomcat
Concepts	: Data Structures, Algorithms, OOP, SDLC, Agile/Scrum

CERTIFICATIONS & COURSES

Cloud Infrastructure 2025 Certified Generative AI Professional – **Oracle**	*[View Certificate]*
AWS Academy Cloud Foundations – **AWS Academy**	*[View Certificate]*
AWS Academy Cloud Architecting – **AWS Academy**	*[View Certificate]*
Achieved Internet of Things – **Infosys (Springboard)**	*[View Certificate]*
Introduction to Databases (with Honors) – **Coursera**	*[View Certificate]*

ACHIEVEMENTS

Academic Excellence – V Semester – (2024–2025)	*[View Certificate]*
Participation in Hackathon – SR University (Sep 2023)	*[View Certificate]*
International Workshop On AWS Infrastructure Mastery – (29th sep 2024)	*[View Certificate]*