# Arun Reddy

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## Professional Summary

Driven Computer Science graduate with significant hands-on experience in full-stack development and AI through impactful internships. Proficient in building and deploying scalable applications using Python and Java. Eager to apply strong problem-solving skills and a passion for technology to tackle challenging engineering problems and contribute to innovative projects.

## Education

**MVJ College of Engineering, Bengaluru**                                         2021–2025
B.E. in Computer Science and Data Science                                    CGPA: 8.43
*Core Coursework: Data Structures Algorithms, Object-Oriented Programming, Software Engineering, Machine Learning*

## Technical Skills

- **Languages:** Python, Java, SQL, JavaScript, HTML/CSS
- **AI Machine Learning:** Gen AI, Deep Learning (BERT), NLP, Predictive Modeling
- **Frameworks Libraries:** Flask, Django, Pandas, NumPy, Scikit-Learn, TensorFlow
- **Databases:** MySQL, PostgreSQL, MongoDB (Familiar)
- **Tools Platforms:** Git, REST APIs, Agile/Scrum
- **Core Concepts:** Data Structures Algorithms (DSA), Object-Oriented Programming (OOP)

## Experience

**Full Stack AI Developer Intern – Dhee Coding Labs**                    Jul 2024–Present

- Developed and deployed full-stack AI applications using Python for performance analytics.
- Built and maintained REST APIs with Flask and Django for automated data processing.
- Collaborated with product teams in an Agile environment to define and deliver new features.

**Backend Developer Intern – Extion Infotech**                       Dec 2023–Mar 2024

- Optimized data pipelines with Python and advanced SQL, reducing processing time by 40%.
- Built backend logic for real-time system monitoring dashboards, enhancing observability.
- Partnered with senior developers to debug performance issues in production systems.

## Projects

**AI-Powered Credit Lending API (Python, Machine Learning)**

- Built a full-stack Credit Lending API with a Python/Flask backend and integrated a machine learning model.
- The system automates credit risk assessment to provide real-time lending decisions.

**Portfolio Management Web App (Java, Full-Stack)**

- Developed a full-stack Portfolio Management web application using Java for the backend.
- Implemented secure user authentication, data persistence, and core CRUD operations.

**Fraud Detection System (Python, Deep Learning, Docker)**

- Created a containerized fraud detection system with 93% accuracy using Python and Deep Learning.
- Designed and implemented an end-to-end pipeline for real-time transaction analysis.

## Certifications

- **IBM Data Science Professional Certificate** – Coursera
- **Meta Database Engineer Professional Certificate** – Coursera
- **Object-Oriented Programming in Java** – Coursera

## Achievements

- Solved problems on Data Structures and Algorithms on LeetCode and HackerRank.
- Finalist in Hack Bangalore (AngelHack) for building a no-code workflow automation tool.