

MDAFAANADEEB

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Portfolio: <https://mdafaanadeeb.github.io/Afaan-s-portfolio/>

PROFESSIONAL SUMMARY

Results-oriented Computer Science undergraduate (2026) with strong expertise in Java, Python, and Generative AI. Proven track record of developing scalable web applications and reducing data retrieval times by 30% through algorithmic optimization. Passionate about AI/ML engineering, leveraging Cloud Architecture (AWS) and LLMs to solve complex problems.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML5, CSS3

Frameworks & Libraries: React.js, NumPy, Pandas, LangChain, Django , OpenAI / Gemini / Claude SDKs

AI & Machine Learning: OpenAI API, Gemini SDK, Claude SDK, Generative AI, Prompt Engineering.

Developer Tools: AWS (EC2/S3), Git, GitHub, VS Code, Google Colab, Oracle Cloud

Core Competencies: Data Structures & Algorithms (DSA), RESTful API Development, OOPS

Soft Skills: Agile/Scrum, Team Collaboration, Problem-Solving, Technical Communication.

PROFESSIONAL EXPERIENCE

Software Engineer Intern | HackerRank Remote | June 2025 – September 2025

- Solved real-world coding challenges, bridging the gap between academic theory and practical software development.
- Enhanced coding proficiency through platform-based by **20%** through rigorous platform-based development tasks.
- Optimized Java and python code for performance, reducing execution time for data-intensive operations.
- **Python Web Development Intern | Eduskills Foundations Remote | September 2025 – October**
- Developed and deployed scalable web applications using python and Django Framework.
- Implemented RESTful API integrations to ensure seamless communication between frontend interfaces and backend databases.
- Designed secure authentication modules, improving user data security protocols by 15% during testing phases.

KEY PROJECTS

Personal Portfolio Website | HTML, CSS, JavaScript

- Designed and deployed a fully responsive portfolio on GitHub Pages that achieved **70%** cross-browser compatibility.
- Optimized site architecture for speed and SEO, ensuring cross-browser compatibility and mobile responsiveness. [<https://github.com/mdafaanadeeb/Afaan-s-portfolio>]

Java Application Suite | Java Swing, Modular Architecture

- Engineered a suite of **3** utility tools (BMI Calculator, To-Do List, EMI Calculator) using Java Swing.
- Focused on modular architecture and clean code structure, ensuring **100%** code maintainability and user experience.

Student Management System | Python, Data Structures

- Designed a Python-based management system demonstrating advanced Data Structures and Algorithms.
- Implemented efficient search and sort algorithms to handle student records, reducing data retrieval time by **30%**. [<https://github.com/mdafaanadeeb/studentmanagement-system.git>]

SNAKE GAME WEBSITE

- Created an interactive browser-based arcade game with real-time gameplay mechanics and dynamic score tracking. [<https://github.com/mdafaanadeeb/Snake-game>]

JAVA CALCULATOR

- Developed an intuitive calculator application with Java Swing featuring modular architecture and user-friendly interface. [<https://github.com/mdafaanadeeb/Java-Calculator>]

EDUCATION

Bachelor of Technology in Computer Science & Engineering

G. Pullaiah College of Engineering and Technology, Kurnool, India

Expected Graduation: March 2026

CGPA: 8.3/10.0

Intermediate (MPC)

Narayana Junior College, Kurnool, India

Completed: July 2022

CGPA: 9.1/10.0

Secondary School Certificate (SSC)

Montessori E.M. High School, Kurnool, India

Completed: 2020

CGPA: 9.8/10.0

CERTIFICATIONS

- AWS-Cloud Architecture Certificate – AWS Academy (2024)
- Data Structures and Algorithms – Simplilearn (2025)
- Java Certification – HackerRank (2025)
- Python full stack development Certification - Eduskills Foundations (2025)
- Google Certificate on Built-in AI Tools- Google Coursera (2024)
- Virtual Internship Certificate on Data Analytics - Eduskills Foundations (2024)