KAMALESHWARAN S

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EDUCATION

Aalim Muhammed Salegh College of Engineering 2021-2025
B.E - Computer Science & Engineering
- **CGPA:** 8.1
- **Relevant Courses:** Problem Solving and Python Programming, Programming in C, Data Structures, OOPS in JAVA, Artificial Intelligence & Machine Learning, Algorithms, Database Management Systems, Neural Networks & Deep Learning.

Dharam Hinduja Matriculation Hr Sec School 2019-2021
HSC-Maths with Computer Science

Dharam Hinduja Matriculation Hr Sec School 2018-2019
SSLC

EXPERIENCE

1.AICTE - Shell - Edunet Foundation Nov 2024-Dec 2024
Virtual Internship on Artificial Intelligence and Data Analytics with Green Skills
- Developed a Healthcare Prediction System using machine learning and data analytics. Gained expertise in Python and predictive modeling. Collaborated with industry mentors and showcased the project to experts at a regional event. Earned certifications from AICTE, Edunet, and industry partners.

PROJECTS

1. Medical Management System
- Developed a Java-based system to manage patient records, doctor details, appointments and billing, streamlining healthcare administration.
- Tools Used: Java, JDBC, MySQL.

2. Healthcare Prediction on Diabetic Patients
- Built a machine learning model to predict diabetes risk using clinical data, achieving high accuracy through feature engineering and algorithms.
- Tools Used: Python, Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn.

3. SecurePass Vault - Password Manager
- Created a secure command-line password manager in Java with features like strong password generation, phishing detection, MFA simulation, cloud backup simulation, and compliance monitoring.
- Tools Used: Java, JDBC, MySQL.

4. BRIDGE - IPv6 to IPv4 Communication using NAT64
- Designed and implemented a NAT64 gateway in Go to enable IPv6-only clients to access IPv4 resources, facilitating seamless cross-protocol communication.
- Tools Used: Go (Golang), Cobra - CLI, Javascript and CSS.

5. IKAC Works - Freelancing Application
- Developed a web-based platform connecting freelancers with clients, featuring user authentication, project listings, and secure communication. Focused on clean UI and efficient data handling for smooth user experience.
- Tools Used: MERN (MongoDB, React.js, Node.js).

OBJECTIVE

Recent graduate in Computer Science and Engineering with solid proficiency in back-end development, database management, and software engineering. Proficient in developing projects of real-world use cases with Java, Python, and MySQL. Looking forward to translating technical know-how and problem-solving skills into a challenging software development position while further expanding through practical learning and teamwork.

TECHNICAL SKILLS

Programming Languages	Java, Python
Web Development	HTML, CSS
Data Bases	MySQL, Mongo DB
Version Control	Git & GitHub
Build Tool	Maven
API Testing Tool	Postman

CERTIFICATIONS

Programming in Java
NPTEL

Python
Guvi

MongoDB Node.js Developer Path
MongoDB

Git and Github
Coursea

MS OFFICE 365
Microsoft

PUBLICATIONS

"Implementing and Evaluating Cross-Protocol Communication between IPv6 and IPv4 using NAT64", International Journal of Creative Research Thoughts (IJCRT), Vol. 13, Issue 3, March 2025. (Impact Factor: 7.97, UGC Approved) [IJCRT25A3379].

ORGANIZATIONS

BSC Hacking and Media Tec
Operated under The Redline Group
Team member | July 2023 - May 2025