MOHAMMED NAVAS A

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LeetCode: https://leetcode.com/u/navas003

PROFESSIONAL SUMMARY

Backend Developer with hands-on experience in building scalable APIs and data-driven web applications using Python, Flask, Django, SQL, and JavaScript. Strong foundation in backend performance optimization, workflow automation, and integrating machine learning models through real-world projects. Passionate problem-solver with interest in clean architecture, database optimization, and high-performance software engineering.

TECHNICAL SKILLS

- **Programming:** Python, SQL, JavaScript
- **Frameworks & Tools:** Django, Flask, SQLServer, Bootstrap, Firebase
- **Backend Competencies:** Authentication, Database Design
- **Other Tools:** Git
- **Machine Learning Tools:** Scikit-learn, OpenCV, TensorFlow, NLP

PROJECT EXPERIENCE

PRIVYDESK - ROLE BASED ACCESS MANAGEMENT PLATFORM (Oct 2025)

- Built a secure Flask backend with role-based authentication and RESTful APIs, supporting scalable user operations.
- Optimized database performance using SQLAlchemy with SQL Server (25% faster queries) and added analytics dashboards to track metrics, increasing user engagement.

Tech Stack: Python, Django, SQLite 3, HTML/CSS, Bootstrap, JavaScript.

HABITHIVE – INTERACTIVE HABIT TRACKING PLATFORM (SEPT 2025)

- Built backend using Python and Flask for habit tracking, analyzing user data including age, gender, height, and weight to evaluate exercise capacity.
- Optimized database with SQLAlchemy and SQL Server and created analytics reports to track metrics interactively.

Tech Stack: Python, Flask, SQLServer, HTML/CSS, Bootstrap, JavaScript.

PHISHING WEBSITE DETECTION SYSTEM (Apr 2025)

- Developed a full stack web application for phishing website detection using Python, Flask, JavaScript, HTML and CSS.
- Built RESTful APIs to process URL and content-based features and integrated a machine learning model achieving 87% detection accuracy.

Tech Stack: Python, Flask, HTML, CSS, JavaScript, NLP, Machine Learning

AGE, GENDER & EMOTION DETECTION MODEL (Nov 2024)

- Developed an AI-powered web application for real-time age, gender, and emotion detection using Python and deep learning techniques.
- Trained and evaluated a face detection and emotion classification model using MTCNN and OpenCV on 10,000+ real-time samples, achieving 67% accuracy.

Tech Stack: Python, Flask, Deep Learning, OpenCV, HTML, CSS, JavaScript

EDUCATION

Bachelor of Engineering (B.E.) in Computer Science – Honors
K.L.N College of Engineering, Madurai, Tamil Nadu
2021 – 2025 | **CGPA:** 7.65 / 10.0

Higher Secondary Certificate (HSC)
Virudhunagar Hindu Nadar Higher Secondary School, Madurai
2021 | **Score:** 90.2%

CERTIFICATIONS & ACHIEVEMENTS

- AWS Academy Graduate – AWS Cloud Foundations
- Smart India Hackathon 2023 – Finalist
- Infosys Foundation Finishing School for Employability
- Organizer – Hackathon 2k24
- Google Prompting Essentials Certified
- Python Fullstack Development – Innovel, Madurai | Jul 2025 – Nov 2025

LANGUAGES

- English – Professional Proficiency
- Tamil – Native
- Japanese – Basic