

ABDULLAH N

Backend Developer| MERN Stack

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EDUCATION

Sri Manakula Vinayagar Engineering College, Puducherry- B.Tech.

Computer Science and Engineering (Honors in Artificial Intelligence)

CGPA: 8.78 (up to 5th Semester)

Duration: 2023 – 2027

New Modern Vidhya Mandir Hr Sec School, PUDUCHERRY - Higher

Secondary

83.1% | 2022 - 2023

New Modern Vidhya Mandir Hr Sec School, PUDUCHERRY - Secondary

schooling

Pass | 2020 - 2021

PROJECTS

Intel AI-Medilocker – Smart Medical Report Locker App

Apr 2025 – May 2025

Role: Team Leader | Backend, AI & Database

Tech Stack: Flutter, Supabase (PostgreSQL, Auth), Python (ML)

- Built an AI-powered healthcare platform with OTP authentication, secure medical records, and drug interaction & allergy detection.
- Implemented ML-based side-effect prediction, specialist mapping, and digital prescription automation; led a 4-member team.
- Pre-Finalist (Top 50/1000+), Unisys Innovation Challenge.

MERN RBAC – Notes Management Dashboard

Jun 2025 – Jul 2025

Full Stack Developer

Tech: MongoDB, Express.js, React, Redux Toolkit, Node.js, JWT, REST APIs

- Built and deployed a MERN-based RBAC dashboard with JWT authentication, protected routes, and session management for multi-role users.
- Developed React + Redux Toolkit frontend and Node.js/Express REST APIs, handling backend logic, middleware, and MongoDB integration.
- Deployed on Render with GitHub CI/CD, delivering an end-to-end full-stack application.

Heart Disease Risk Prediction

Aug 2025 - Sept 2025

- Role: Deep Learning Engineer
- Tech Stack: Python, TensorFlow / Keras, NumPy, Pandas, Scikit-learn.
- Developed a deep learning-based cardiovascular disease risk prediction model using 13 clinical features from patient records.
- Designed and trained a 5-layer neural network (128–64–32–16–1) with batch normalization and dropout to reduce overfitting and improve generalization.
- Trained and validated the model on 297 balanced patient records, enabling reliable medical risk classification and clinical decision support.

ACHIEVEMENTS

- **Unisys Innovation Program – Pre-Finalist | May 2025**

Top 50/1000+ nationally for Intel AI MediLocker, an AI-powered healthcare platform enabling secure medical record access, patient history analysis, and medicine allergy prediction.

- **1M1B AI + Sustainability Internship (IBM SkillsBuild) | Mar 2025**

Completed AI + sustainability internship focused on AI-driven social impact, problem-solving, and responsible AI solutions.

- **NPTEL Star | DSA in Java (Top 2% Nationwide)**

SKILLS

Technical Skills

- Programming: Java, C.
- Web & Backend: React.js, Node.js, Express.js, Flask.
- Databases: MongoDB, MySQL, SQL
- Tools: Git, GitHub, Postman, VS Code, Linux (CLI)

Soft Skills

- Strong Problem-Solving Ability
- Team Leadership
- Collaboration
- Adaptability & Quick Learning
- Effective Communication
- Self-Motivated & Goal-Oriented
- Project Planning & Coordination

CERTIFICATIONS

- **NPTEL:** Programming in Java, Data Structures & Algorithms in Java, Introduction to Large Language Models (LLMs)
- **AWS Academy Cloud Foundations** – Amazon Web Services
- **Programming in Java** – NPTEL (IIT Certified)
- **Google AI/ML Virtual Internship** – EduSkill & Google
- **CCNA** – Cisco Certified Network Associate

LANGUAGES

- **English** (Full Professional Proficiency)
- **Hindi** (Native or Bilingual Proficiency)
- **Tamil** (Native or Bilingual Proficiency)