

# Madvith D Amin

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## EDUCATION

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- **NMAM Institute of Technology (NMAMIT)** 2024 – 2028  
*B.Tech., Computer Science & Engineering CGPA: 9.8/10.00* Karnataka, India
  - **Coursework:** Object Oriented Programming, Database, Operating System, Front End Web Development
- **Karkala Jnanasudha P.U. College** 2022 – 2024  
*Pre-University Education — PCMB Aggregate: 96.13%* Karnataka State Board

## PROJECTS

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- **FastUrl — React, Vite, Supabase, Tailwind CSS:** Developed a fast and secure URL shortening web application with custom aliases, real-time click analytics, and link expiration management. Implemented user authentication, plan-based feature limits, and a responsive dashboard using modern frontend tooling and Supabase backend services.
- **A Comprehensive Assessment of Machine Learning Approaches for Lung Disease Classification Based on Structured Clinical Data — Research Paper (Under Publication):** Conducted an empirical study on supervised machine-learning models for lung-disease classification using structured clinical datasets. Implemented data preprocessing, feature engineering, and model benchmarking using Python, Pandas, NumPy, Scikit-learn, and Matplotlib; evaluated classifiers such as Logistic Regression, Random Forest, SVM, XGBoost, and k-NN with cross-validation and performance metrics (accuracy, F1-score, ROC-AUC).
- **Whispr — Node.js, Express, MongoDB, JWT:** Built a scalable REST API for a social media platform featuring user authentication, posts, likes, replies, follows, and personalized feeds. Implemented JWT-based secure authentication with cookies, MongoDB schemas using Mongoose, and protected routes with middleware for robust backend functionality.
- **ScoutIQ — React, Vite, Tailwind CSS, Firebase:** Built an AI-powered web application for resume analysis and intelligent job matching, providing real-time scoring, personalized feedback, and history tracking. Implemented secure Firebase authentication, responsive UI with modern React tooling, and seamless file upload support for actionable career insights.

## EXTRA-CURRICULAR ACTIVITIES

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- **Workshops:** Attended Git & GitHub workshop , DSA Sprint , Full-Stack Deveelopment
- **Training:** Contributed as a Tech Volunteer to Promptstorm event held by ACSA NMAMIT, mentoring freshers in Web Development , Git & GitHub and use of AI Agents

## ACHIEVEMENTS

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- **Hackloop S03 & S04:** Finalist, FLC Internal Hackathon
- **Vibeathon:** Finalist, CSI Event

## SKILLS

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- **Languages:** Python, HTML5, CSS3, JavaScript (ES6), TypeScript, C,Java
- **Frameworks & Libraries:** React.js, Next.js, Django, Tailwind CSS ,Pandas, PostgreSQL,MongoDB,Express.js
- **Tools & Tech:** Git, GitHub, Vercel, Render, VS Code, Linux

## MEMBERSHIP

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- **Finite Loop Club, NMAMIT:** Member, 2024 – Present
- **Computer Society of India (CSI), NMAMIT:** Exclusive Member, 2024 – Present