Meenakshi Pradeep

meenakshi.pradeep1@gmail.com | linkedin.com/in/meenakshipradeep | github.com/meenakship3 | medium.com/@meenakshi.pradeep1

TECHNICAL SKILLS

Languages: Java, Python, TypeScript/JavaScript, Go, Bash;
Frameworks/Tools: React, Next.js, Tailwind CSS, Node.js, Express.js, REST API, FastAPI, MongoDB, SQLite, PostgreSQL, Generative AI, Git/GitHub, GitHub Actions (CI/CD), Jest, Selenium, Kubernetes;
CS Coursework: Data Structures & Algorithms, Operating Systems, Database Technology, Computer Networks, Object Oriented Analysis & Design, Artificial Intelligence & Machine Learning

PROJECTS

CLI Internet Speed Monitor Tool | *Go, REST APIs, Slack Webhooks, Speedtest.net* | GitHub Repo   January 2026
- Built network monitoring daemon with **configurable CLI flags** for download/upload thresholds, continuous monitoring loops, and conditional speed tracking
- Integrated Speedtest.net API via showwin/speedtest-go library for latency/bandwidth metrics with RESTful HTTP POST to Slack webhooks for **real-time alerts**
- Configured timezone-aware logging (Asia/Kolkata) with environment variable management for webhook URLs, supporting one-time and continuous monitoring modes

Safeskin - Cosmetic Product Safety Analyzer| *FastAPI, PostgreSQL, Selenium, Next.js 15, React 19, TypeScript* | GitHub Repo   December 2025
- Architected RESTful backend with **5 FastAPI endpoints** serving **2,000+ scraped products**, featuring automatic OpenAPI documentation, Pydantic validation, and CORS middleware
- Designed PostgreSQL schema with pg_trgm **fuzzy search** enabling typo-tolerant queries ("concelar" → "concealer") using GIN indexes and **trigram similarity scoring** (0.1+ thresholds)
- Developed Selenium web scraping pipeline with regex-based ingredient parsing, Color Index code removal, and **database caching layer** to eliminate redundant scrapes

Lockbox - Encrypted API Key Manager | *Node.js, Electron, SQLite, AES-256-GCM, Jest, GitHub Actions* | GitHub Repo   November 2025
- Engineered encryption system with **AES-256-GCM authentication** tags, **parameterized SQL queries** for injection prevention, and multi-threshold expiry alerts (7-day, 1-day, expired)
- Implemented SQLite CRUD operations for token management with Bash/.env export support and **15-minute session-based auto-lock** mechanism
- Established CI/CD pipeline with GitHub Actions running automated **Jest tests achieving 70%+ coverage** across Ubuntu, Windows, and macOS

EXPERIENCE

Operations Associate – Growth, Eblity   June 2022 – July 2023
- Designed and executed analytics-driven campaigns, growing users to 100,000+ while prioritizing user satisfaction and retention.
- Partnered with product engineering teams to handle end-to-end launch of a WhatsApp-based course, coordinating requirements and testing to ensure scalability.

EDUCATION

SRM Institute of Science & Technology   July 2024 – July 2026 (Expected)
Master of Computer Applications
- CGPA: 9.39/10

Azim Premji University
Bachelor of Arts in Economics

ACHIEVEMENTS & INITIATIVES

2x National Topper   April 2025, November 2025
IIT Madras / IIT Kharagpur / NPTEL
- Ranked in the top 5% in the "Programming, Data Structures and Algorithms using Python" exam among 10,000+ exam registrants.
- Ranked in the top 5% in the "Ethical Hacking" exam among 17,000+ exam registrants.

Technical Content Writer   June 2025 – Present
LinkedIn & Medium
- Published **Machine Learning** (ML) explainer series on LinkedIn (6K+ impressions from 150 followers), simplifying complex algorithms to make technical topics accessible to broader audiences.
- Authored AI-driven software development article on Medium; invited to contribute to 3M-views/month tech publication.

Open Source Contributor   July 2025 – August 2025
GirlScript Summer of Code
- Developed reusable components with Next.js and Tailwind CSS to standardize UI styling and improve product quality.
- Identified 5+ issues across projects through **rigorous testing** and **debugging** to improve maintainability.