

Milan Srinivas

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EDUCATION

Master of Science in Computer Science - Northeastern University, Boston, MA

May 2027 (Expected)

Courses: Programming Design Paradigm, Web Development

B.E in Computer Science and Engineering - Vivekananda Institute of Technology, Bangalore, India (GPA: 8.7/10)

Dec 2021 – June 2025

Courses: Data Structures, Operating Systems, Object-Oriented Programming, Computer Networks, Machine Learning, Artificial Intelligence

SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, TypeScript, R

Web Development: React, Vite, Tailwind CSS, HTML5, CSS3, Django, WordPress

Databases: MySQL, PostgreSQL, MongoDB, Oracle DB, PL/SQL

Tools & Platforms: Git, GitHub, VS Code, Eclipse, IntelliJ, Figma, Linux, MS Office

Data & AI Libraries: pandas, NumPy, Matplotlib, YOLO, Hadoop

DevOps & Cloud: CI/CD, API Integration, AWS (EC2, S3), GitHub Actions

Other Skills: SEO Optimization, Cross-Browser Compatibility, Data Structures & Algorithms

EXPERIENCE

Full Stack Developer – QSpiders Global, Bangalore, India

Aug 2024 – Present

- Built and maintained full-stack web apps using **Python**, **Django**, and **React**, improving frontend–backend sync and reducing user-reported issues by **35%**.
- Developed responsive, cross-browser UI components with **TypeScript**, **Tailwind CSS**, and **HTML5/CSS3**, enhancing design consistency and cutting load times by **22%** across client websites.
- Designed and optimized **Oracle SQL** and **PLSQL** databases, implementing **normalization**, **indexing**, and stored procedures to increase query performance by **40%** for data-heavy applications.
- Assisted in managing **AWS EC2/S3** infrastructure for 99.9% uptime, with faster rollback and monitoring.
- Mentored 50+ professionals transitioning into tech, leading workshops on **web dev**, **Figma**, **GitHub**, and **project management**.

Software Development Intern – Konigtronics Pvt. Ltd., Bangalore, India

Sep 2023 – Nov 2023 | Apr 2024 – Jun 2024

- Led data-driven sales analysis for a commercial automobile client using **Pandas**, **NumPy**, and **PySpark** on **Linux**, **reducing preprocessing time by 60%** and driving a **23% increase in quarterly revenue** with insights from **86.07% accurate ML models** deployed via **Flask API** and **MongoDB**.
- Engineered interactive dashboards using **Matplotlib**, **Seaborn**, and **Plotly** to deliver boardroom-ready insights; collaborated directly with stakeholders and presented findings using **MS Office** tools.
- Led a 10-member team in **Agile** to develop a cross-platform mobile app using **React Native**, **TypeScript**, **Bootstrap**, **Firebase**, and **RESTful APIs**; maintained version control via **Git/GitHub**, achieving **100% device compatibility**, **improving app usability by 40%** and full client satisfaction within 8 weeks.

Software Development Intern – Contriver, Bangalore, India

Jan 2024 – Mar 2024

- Collaborated directly with the CEO of a growing startup to develop a full-stack restaurant site using **Django**, **JavaScript**, and **Bootstrap**, boosting user engagement by **35%** post-launch.
- Integrated **Google Maps SDK** and external **REST APIs** to enable real-time dynamic content and geolocation features.
- Leveraged **CI/CD workflows**, **Git**, and **Vercel** for seamless deployment, ensuring smooth rollouts, **99.9% uptime**, and enhanced **SEO**, **mobile optimization**, and **cross-browser support**.

PROJECTS

ArogyaMate – AI-Powered Nutrition & Lifestyle App – Vivekananda Institute of Technology

Mar 2025 – Jun 2025

- Developed a culturally aware health app using **React**, **TypeScript**, **Tailwind CSS**, **shadcn/ui**, and **Vite**, with features like **Cravings Manager**, **Sickness Mode**, **Period Support**, and **Fridge-to-Meal Suggestions**.
- Integrated **OpenCV + Tesseract OCR** for food label scanning (**~85% accuracy**), **Firebase** for authentication and cloud sync, plus multiple third-party **APIs** for nutrition, food data, and meal suggestions.

BhoomiBazaar– Blockchain-Based Land Auction Platform – Vivekananda Institute of Technology

Dec 2024 – Apr 2025

- Built a secure online platform for buying rural/agricultural land using Bitcoin and Dogecoin, featuring crypto wallet login via **Coinbase Wallet**, document storage with **AWS S3**, and bid management using **MySQL**.
- Developed a responsive frontend with **React**, **TypeScript**, **Material UI (MUI)**, and **Next.js**; designed for future expansion with fraud detection and QR-based property verification features.

LMHistNet – Breast Cancer Histopathology Classification – IJARCCCE, Vol. 13, Issue 8, Aug 2024

Jan 2024 – Aug 2024

- LMHistNet is a custom **convolutional neural network (CNN)** optimized with **Levenberg–Marquardt algorithm** and **Convolutional Block Attention Module (CBAM)** for classifying breast cancer histopathological images across **8 subtypes** and **4 magnifications**.
- Achieved **99% accuracy** in binary and **88% accuracy** in multiclass classification on **7,900+ BreA KHis images** by addressing **vanishing gradients** and enhancing **feature refinement** through novel architectural blocks, enabling precise, scalable diagnosis.