Steve Prathik Fernandes

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Education

Master of Science in Computer Science (STEM)   *Expected Graduation: December 2026*
Clark University, Worcester, MA

Bachelor of Engineering in Computer Science & Engg.   *June 2023*
PES College Of Engineering, Mandya, KA, India

Academic Team Project

1. *Artisans - An E-Commerce Website*   *PES College Of Engineering, Mandya, KA, India*
- Developed an end-to-end e-commerce platform using **HTML, CSS, JavaScript, Flask, Django REST, and MySQL** to connect artisans directly with customers, eliminating middlemen and maximizing artisan profits and flexibility.
2. *Roomie - Web App*   *Clark University, Worcester, MA*
- Built a full-stack student housing platform using **Django REST, Angular, and SQLite3**, featuring subleasing listings and a roommate matching system based on user preferences.

Relevant Experience

- ***Summer Research Assistant***   ***Clark University***   *June 2025 – Present*
  Supervisor: Prof. Li Han
    o Working on a research project focused on detecting deepfake videos using AI and computer vision.
    o Involved in designing and testing deep learning models, analyzing multimedia datasets, and exploring adversarial detection methods.
    o Supporting documentation and collaborative research efforts in the field of digital forensics.

- ***Application Developer***   ***Wiley India Private Limited***   *August 2023 – March 2024*
  Client: Morgan Stanley
    o Developed **Conflict Shredder**, an IAM-based project that detects entitlement conflicts in employee access to prevent fraudulent activity, using **Spring Boot** for backend microservices and **MySQL** for data management.
    o Designed intuitive and responsive user interfaces with **Angular 7**, **TypeScript**, **HTML**, and **CSS**, enhancing overall usability and user experience.

- ***Software Engineer Intern***   ***Emcus Technology Solutions***   *November 2022 - April 2023*
    o Contributed to the SPOT Fire Project team, focused on fire-safety automation for large premises, leveraging IoT-driven solutions for real-time monitoring.
    o Designed and developed a front-end application using Angular to visualize data from IoT devices, including smoke sensors, temperature sensors, and water-flushing sensors, ensuring an intuitive and responsive user interface.

- ***Digital Marketing Intern***   ***Idaksh Technologies***   *April 2021 - Jan 2022*
    o Increased website traffic by **35%** through SEO strategies and digital campaigns.
    o Managed **WordPress-based content**, improving audience engagement and retention.
    o Implemented **SEO strategies using Google Analytics**, improving search ranking.
    o **Global Reach**: Connects artisans with customers worldwide, expanding their market and opportunities.

Relevant Skills

HTML, CSS, JavaScript, Typescript, Angular, Spring Boot, Django, Flask, Java, Python