

# MANUSHI

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## EDUCATION

### Northeastern University, Boston, MA

Jan. 2021 – Apr. 2024

- Master of Science – Computer Science. **GPA 3.96**
- **Coursework:** Programming Design Paradigm, Algorithms, Web Development, Mobile Application development, Information Retrieval, Computer Vision and Natural Language Processing.

### MV Jayaram College of Engineering, Bangalore, India

Aug. 2006 - May 2010

- Bachelor of Engineering – Computer Science, **GPA 3.87**

## TECHNICAL SKILLS

**Web Technologies:** React, Node.js, AngularJs, HTML5/CSS3, ASP.NET, JavaScript, jQuery, Bootstrap

**Programming Languages:** Java, C#, Python

**Software Development – Tools:** Android Framework, JIRA, Git, Jenkins, Google Analytics, Chef, NUnit

**Databases:** MySQL, Oracle 11g, MongoDB, Couchbase, Firebase, SQLite

**Frameworks:** ASP.NET MVC, Entity Framework using LINQ, Unity Framework

## EXPERIENCE

### Tesco, Bangalore, India

Senior Software Engineer

Sept. 2010 – Oct 2019

- Pioneered Oracle PL/SQL solutions for seamless transactions between store applications and databases, streamlining store managers' handling of overstock scenarios.
- Engineered Tesco's initial stock management and replenishment system contact points in the UK and Ireland.
- Spearheaded frontend and API development for the Direct Deliveries app, migrating from outdated PDAs to Android devices in under two months, enabling features deployment to 3000+ stores.
- Automated security patch updates using Chef tool, reducing update times for 150+ application servers.
- Orchestrated deployment schedules through SOTI MobiControl, enabling swift feature dissemination across 3000+ stores.
- Developed UI for Replenishment Forecaster Scheduler, employing ASP.NET 4.0 and Oracle PL/SQL, aiding replenishment teams' nightly workload.

## PROJECTS

### Cross-Stitch Pattern Generation Application

- Developed an application that converts images into cross-stitch patterns using the Floyd-Steinberg dithering algorithm, improving pattern clarity and color accuracy.

### ShopEasy - Online Shopping Platform

- Developed a robust online shopping platform, enhancing user experience and backend management.

### Pawsome Pals - A Social Platform for Dog Lovers

- Developed an Android app connecting dog owners, facilitating playdates, and sharing homemade meal recipes.

### Real-Time American Sign Language Recognition

- Achieved over 92% accuracy in gesture classification using hand tracking and a CNN model.