

# 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

### Career Break and Professional Development

#### Motherhood & Skill Enhancement

Apr. 2020 – Apr 2024

- Took a career break to focus on high-risk pregnancy and early motherhood.
- Pursued a Master of Science in Computer Science from Northeastern University, graduating with a GPA of 3.96.
- Engaged in self-directed learning and skill enhancement, with a focus on mobile development, web technologies, and advanced topics in computer science like computer vision and natural language processing.
- Completed several projects to stay current with industry trends, including:
  - Real-Time American Sign Language Recognition (using MediaPipe and PyTorch)
  - Pawsome Pals – A Social Platform for Dog Lovers (Android development)
  - ShopEazy – Online Shopping Platform (Full-stack development using React, Node.js)

### 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- Spearheaded frontend and API development for the Direct Deliveries app, migrating from outdated PDAs to Android devices in under two months, enabling features deployment to 3000+ stores.
- Designed intuitive interfaces with the development team, conducted end-to-end testing for reliability, and managed the full lifecycle of Android applications including bug fixes and updates.
- 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.