SAKET S. MANOLKAR

Kearny,NJ 07032 · saketmanolkar.sm@gmail.com · (551)-290-9350 ·
https://www.linkedin.com/in/saket-manolkar-512630219/

SUMMARY

A Computer Science graduate student, pursuing masters with a passion for coding and a strong appetite for problem solving. Experienced with working with software development, front-end and back-end infrastructure and machine learning. Looking for internship opportunities in the coming summer of 2022.

EDUCATION

Master of Science - Computer Science	Expected May 2023
New Jersey Institute of Technology, Newark , NJ, USA	CGPA : 3.5/4
Bachelor of Engineering - Information Technology	April 2021
University of Pune (SPPU), Pune, MH, India	GPA: 7.28/10
MAEER's MIT College of Engineering (MITCOE)	

TECHNICAL SKILLS

Programming Languages:	Python; Java; C++; Hack/php; HTML; CSS; C
Technologies/Frameworks:	Android Studio; QT; Tensor flow
Databases:	MySQL; MongoDB; NoSQL
Operating Systems:	Linux; macOS; Windows; Android
Relevant Coursework:	Machine learning; Data Mining; Database Management; Data visualization; Data Structures and Algorithms; Neural Networks

EXPERIENCE

Excel Tech Engineering — Pune, India
Software Engineer Intern — April 2021 — Dec 2021

- Developed a website using Wordpress for Excel Tech Engineering for a government tender for an anti-germ device.
- Upkeep and management of the Database (Database Management) in **MySQL with Hive** and maintaining the connection of the website with cloud server using **WPEngine**.
- Integrated a payment gateway with an **WPPayForm** extension.
- Front-end maintenance of features and user-interface using **HTML and CSS**
- Technology used - **MySQL, Hive, HTML, CSS, Wordpress, Java, WPEngine, WPPayForm.**

Chandorkar Technologies — Pune, India
R&D Software Intern — May 2019 — Feb 2021

- Created websites and mobile applications tailored to personalized specification of clients like Greenbuild, Jotex, etc.
- Designed a website using **Wordpress**, **HTML** and **CSS**, used **PHP** to connect to a local server with **XAMPP** and a **WPEngine** extension to connect to a cloud server.
- Developed mobile applications with **Android studio** with **Java**.
- Technology used - **PHP, HTML, Wordpress, Java, WPEngine, Android studio, XAMPP.**

PROJECTS

1. **Association Rules for Supermarket Dataset using Data Mining Algorithms**

   - Developed an **Apriori algorithm** in **python** from scratch to generate **association rules** from **frequent items** in the 5 transactional datasets (Nike, Adidas, Shoprite, K-mart, Best-Buy)
   - Association rules are generated based on user defined support and confidence
   - This model looks for co-occurrence in the transactional database to determine which products are most likely to be purchased together. The retailer can then adjust marketing and sales strategy to take advantage of this information

2. **The Wallet Payment Network Web Application**

   - 'Wallet Payment Network' is a web application banking system designed for safe monetary exchanges.
   - The front end is connected to MySQL through PHP. The implementation comprises **PHP, HTML, and MySQL Database**.
   - The user can perform transactions by sending or receive money and viewing/ update their personal information. The project has a feature that allows user to view and print a report of all the transactions that occurred.

3. **Skip-List Implementation of Dictionaries for faster traversal of data**

   - Developed a skip-list implementation from scratch of a dictionary for faster traversal of over **50,000 values**
   - This model can implement a search, insert or delete operation of over 50,000 values faster than any built-in search functions available.
   - This model can function efficiently for upto 100000 values.

CERTIFICATIONS

The Web Developer Bootcamp (Udemy)	January 2021
Complete Python Bootcamp (Udemy)	September 2021