

# Abhishek Sandeep Firodiya

[asfirodiya@gmail.com](mailto:asfirodiya@gmail.com) | (919) 523-7749 | [LinkedIn/abhishekfirodiya](https://www.linkedin.com/in/abhishekfirodiya) | [GitHub/abhishekfirodiya](https://github.com/abhishekfirodiya) | [abhishekfirodiya.github.io/portfolio](https://abhishekfirodiya.github.io/portfolio)

## SUMMARY

I am a results-oriented professional, graduated with a Masters in Computer Science and have 2+ years of experience in Software Development. I am proficient in full stack development and database management using React, Angular, JavaScript, REST API, MySQL, Python along with Git and analytics.

## SKILLS

**Programming :** Javascript, Python

**Web Development :** React, Angular, JavaScript, TypeScript, Bootstrap, REST API, jQuery, HTML, CSS, JDBC

**Databases :** MySQL, MongoDB

**Tools & Frameworks :** Github, Frappe Framework, Tableau, JIRA

## EDUCATION

### Master of Computer Science

May 2024

North Carolina State University, Raleigh, NC, USA

GPA: 4.0/4.0

**Coursework:** Design and Analysis of Algorithms, Database Management System, Human Computer Interaction, Social Computing

**Experience:** Teaching Assistant for C and Software Tools, Graduate Assistant for Data Analysis for SimStudent - a tutor for students to learn by teaching.

### Bachelor of Engineering in Information Technology

April 2020

Pune Institute of Computer Technology, Maharashtra, India

GPA: 9.28/10

**Coursework:** Data Structures and Algorithms, Web Development, Software Engineering, Machine Learning, Computer Network

## EXPERIENCE

- **Software Engineer @ Elasticrun, Maharashtra, India** July 2020 - June 2022
  - Designed and developed a near-real time KPI dashboard to help partner brands make informed decisions, using **Javascript**, **Python** and **MySQL**, optimizing the time to generate insights by **400%**.
  - Automated a Sales and Operations Planning process for field managers by building a web platform using **Python**, **REST API**, **Javascript**, **HTML**, **CSS**, and **Bootstrap** reducing planning time **from 15 days to 3 days**.
  - Built an interactive dashboard to **visualize** sales data for warehouses based on 32 dimensions using **D3JS** and **Highcharts**.
  - Enhanced customer experience by monitoring user hits and navigation on web applications using **Google Analytics**, increasing new customer onboarding.
  - Resolved technical issues as per customer needs by implementing best coding practices and development processes.
  - Participated actively in SDLC in this agile development environment including documentation, troubleshooting, debugging, unit testing, and support across multiple platforms.

## PROJECTS

- **Web and App Platform Development | Missing Persons Finder**
  - Conceptualized and developed a responsive platform leveraging **Python**, **Django**, **HTML**, **CSS**, **Bootstrap**, **Javascript**, **MySQL**, and **Android**, to reduce missing person recovery time **from months to days** by partial face recognition.
  - Deployed the system for nationwide use by police stations in collaboration with the National Crime Records Bureau, India.
  - Managed user authentication and a dataset of over 30000 images to implement Machine Learning algorithms for efficient matching.
  - Implemented a well defined workflow using UML diagrams, designed a robust database schema, and enhanced the system's capabilities to analyze video from CCTV feeds to locate missing people.
- **Database Management and Web Development | Food Ordering System**
  - Architected a Food Ordering and Pickup System using **Javascript**, **Python**, **Bootstrap**, **HTML**, **CSS**, **MySQL**, and **JDBC**.
  - Integrated various services within the system, including onboarding new customers and restaurants, menu management for restaurants, online food ordering, cart management and order tracking for customers, and visualization for supervisors.
- **Web Development using Angular | Daily Task Manager**
  - Developed a responsive UI for an application to manage different day-to-day tasks using **Angular** and **Bootstrap**.
  - Implemented user authentication with **JSON Web Tokens (JWT)** for secure access to tasks and status updates.
  - Incorporated **REST API** for communication between users, managers, and admins to enhance project scalability and usability.

## LEADERSHIP EXPERIENCE

- **Maitri-Indian Graduate Student Organization NCSU: Digital Media Head** - Managed Social media division for Maitri.
- **PICTOREAL - PICT Annual Magazine: Joint Secretary, Event Manager** - Led a team of 100+ students, organized social events like blood donation and fundraising campaigns, recreational events for seniors at old age homes, etc.