Abhishek Sandeep Firodiya

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Provost software professional with 4 years of experience in cutting edge technologies including *Javascript*, *MySQL*, and *Python*. Proven technology leader with a **Masters in Computer Science** backed by a strong academic standing.

SKILLS

- **Languages** : Javascript, Python, HTML, CSS, SQL, UML, TypeScript
- **Frameworks & Libraries** : Bootstrap, jQuery, REST API, Frappe Framework, React.js, Django, Angular.js, node.js, Express.js
- **Databases** : MySQL, Firebase9, MongoDB
- **Tools & Platforms:** Git, Linux, JIRA, Babel, Webpack, Tableau, Docker, Android Studio

EDUCATION

Master of Computer Science   **Aug 2022 - May 2024**
  North Carolina State University, Raleigh, NC   **GPA: 4.0/4.0**
  Coursework: Design and Analysis of Algorithms, Database Management System, Human Computer Interaction, Social Computing

Bachelor of Engineering in Information Technology   **June 2016 - 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

CERTIFICATION

- **Programming for Everybody with Python Data Structures** by University of Michigan offered through Coursera
- **Front-End Web Development with React** by The Hong Kong University of Science and Technology offered through Coursera
- **Front-End Web UI Frameworks and Tools: Bootstrap 4** by The Hong Kong University of Science and Technology through Coursera

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 based on metrics like sales, throughput, customer acquisition, and user retention in near real-time, optimizing the time to generate insights by **400%** using *Javascript*, *Python* and *MySQL*.
  - 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* and *Hotjar 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**
  - Collaborated with a team to build a face recognition system aimed at rapid recovery of missing children and wanted criminals, launched at 80+ police stations across India with the National Crime Records Bureau, Ministry of Home Affairs, Govt. of India.
  - Created an intuitive and user-friendly interface for the web portal, enabling police officers to upload images and receive the best three matches, significantly **reducing the identification time from months to minutes**.
  - Utilized *HTML5*, *CSS3*, *JavaScript*, *Angular*, *Bootstrap*, *Python*, *MySQL*, *Django*, and *Android* for the development of the web and mobile application.
  - Designed database schema, structured data flow using **UML** diagrams, and wrote complex **MySQL** queries to handle a dataset of over 30,000 images.
  - Utilized *Git* for meticulous version control and *JIRA* for comprehensive story and bug tracking, ensuring smooth project management and timely milestone delivery.

- **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.

- **Mobile-First Web Application | Housing Marketplace**
  - Developed a mobile-first housing marketplace web application using *React* and *Firebase9* for incoming university students.
  - Integrated **Leaflet maps** and image galleries for listings, enhancing property exploration and highlighting special offers.
  - Implemented **secure user authentication** with email/password and Google sign-in, allowing users to register and list houses.