Parva Raval
Full Stack Developer

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Summary

With over 7 years of hands-on experience, I bring a courteous and skilled approach to Full Stack Development. I specialize in crafting robust software solutions, integrating advanced deep learning algorithms and AI technologies to enhance organizational efficiency and foster innovation. Throughout my career, I've adeptly managed the complete software development life cycle, from understanding client needs to deploying and maintaining solutions with professionalism. Proficient in Python, Java, .Net and JavaScript along with a variety of frameworks and tools, I'm committed to contributing meaningfully to forward-thinking initiatives within the tech industry. My collaborative demeanor and strong communication skills ensure timely project delivery and productive teamwork..

Professional Experience

Full Stack Developer, *(Tusker AI)*   **Ahmedabad, India** *11/2022 - 12/2023*

- Spearheaded the integration of advanced deep learning algorithms into AI-OPS, enabling seamless enterprise automation with a single click.

- Pioneered Tusker AI, a revolutionary conversational AI platform leveraging Next.js, TypeScript, and Supabase for optimal scalability and user experience, integrating Machine Learning, Image Processing, and Signal Processing capabilities.

- Orchestrated the integration of machine learning techniques, including OpenAI's API, within Tusker AI to simulate real-world scenarios, providing personalized feedback and enhancing user preparation by 75% for practical solutions.

- Oversaw end-to-end software development, from requirements understanding to deployment and maintenance, and implemented a robust testing infrastructure using Playwright, reducing production bugs by 85% and enhancing deployment efficiency and product reliability.

Software Developer, *(Sanghvi Info Pvt. Ltd.)*   **Ahmedabad, India** *07/2022 - 08/2023*

- Upheld Coding Guidelines rigorously, ensuring enhanced code readability and maintainability, while employing Test-Driven Development (TDD) with JUnit for creating more robust and bug-free software. Additionally, actively contributed to agile processes, resulting in a 20% improvement in project delivery time through effective sprint planning, daily scrum participation, and stakeholder feedback integration.

- Collaborated with project managers to establish realistic coding milestones, adopting modern development methodologies that boosted user satisfaction and productivity by 50%.

- Engineered an internal tool using Bootstrap, MongoDB, and Node.js at Sanghvi Info Pvt. Ltd., enhancing hardware issuance efficiency by 30% for administrative and shop floor personnel.

Junior Web developer, *(Leisure Leagues)*   **Warwick, United Kingdom** *02/2022 - 05/2022*

- Executed end-to-end web development, translating mock-ups into practical use cases using a stack including Laravel, JavaScript, AJAX, and JSON. Developed wireframes, site maps, and content inventories to guide new website designs, leveraging PHP, SQL, and JavaScript for robust backend support.

- Enhanced user engagement by 30% through the creation of a Native Mobile App for Android and iOS, seamlessly integrating website functionalities. Actively participated in agile development processes, contributing to a 20% improvement in project delivery time, and collaborated with cross-functional teams to design and integrate RESTful APIs, enhancing application performance and user experience.

Full Stack Developer, *(Softvan)*   **Ahmedabad, India** *06/2018 - 12/2021*

- Led the pioneering efforts in Softvan to develop groundbreaking AI-driven solutions, harnessing the power of Python and advanced AI technologies to elevate facial expression and emotion detection capabilities, yielding a substantial 15% boost in customer retention.

- Utilized Architectural Patterns to optimize system scalability and performance across multiple projects, including image processing and data processing software with AI integration, showcased on the company website.

- Played a pivotal role in resolving critical issues and ensuring seamless deployment of projects, while consistently delivering detailed project reports and milestone updates to the Team lead.

- Implemented agile development methodologies, driving a significant 20% reduction in development time and achieving a commendable 50% increase in on-time project delivery.

- Applied SOLID Principles in software development practices, enhancing code maintainability and readability across various projects, while also leading initiatives to expand retail opportunities and streamline client on boarding processes, contributing to the company's growth and success in the AI and Python-related frameworks and applications domain.

Software Developer Intern, *(Tata Consultancy Services)*   **Gandhinagar, India** *05/2017 - 05/2018*

- Led the development of the iTax Android mobile application, a pivotal component of the Integrated Tax Administrative System for Kenya, utilizing JAVA and Android Studio.
- Enhanced and optimized features within high-traffic applications on the Android platform, ensuring optimal performance and user experience.
- Conducted thorough unit testing using Mockito to validate application functionality across various Android OS versions, while seamlessly integrating third-party libraries to expand app capabilities. Additionally, collaborated effectively with cross-functional teams to ensure smooth integration of Android app solutions.

Skills

- **Languages:** Python, JavaScript, Typescript, Java, .Net, C#, SQL
- **Front-End:** React, React.js, React Native, Angular, Next.js, Svelte.js, Redux.js, HTML, CSS, SCSS, Tailwind CSS
- **Back-End:** Django, Flask, Node.js, Express.js, .Net Core, RESTful APIs, GraphQL, Prisma, Spring Boot
- **Databases:** MongoDB, MySQL, NoSql, Supabase, Postgres
- **Tools:** Git, Github, AWS, Figma, Azure, Jenkins, Docker, Kubernetes, Ansible, Jupyter notebook, Anaconda
- **Testing:** MongoDB, MySQL, Cypress, Jest, PlayWright
- **Soft Skills:** Mobile App Development, Operating System, Windows Servers, Computer Networks, Software Architectures, System Design, System support, Image Processing, Signal Processing, Socket Programming, Presentation, Embedded Systems, Computer vision, Object detection, Planning, Organized, Creative Problem-Solving, Industrial Protocols, Teamwork, Active Listening, Adaptability, Analytical Thinking

Education

MSc in Computer Science *Coventry University*   **Coventry, United Kingdom** *2021-2022*

Relevant Courses: Web Application and AI, Artificial Neural Network, Computer Architecture and System Programming, Machine Learning and Big Data, Software Development Project, Mobile Platforms and Application Development, Computing Individual Research Project, Security of Emerging Connected Systems.

B.Eng in Information Technology *Gujarat Technological University*   **Gandhinagar, India** *2013-2020*

Relevant Courses:Python Programming, Object Oriented Programming With C++, Object Oriented Programming With Java, Advance Java, .Net Technology, Data Structure, Database Management Systems, Analysis and Design of Algorithms, System Programming, Data Compression and data Retrieval, Artificial Intelligence, Big Data Analytics, Mobile Computing and Wireless Communication, Web Technology, Information and Network Security, Data Mining and Business Intelligence,Numerical and Statistical Methods for Computer Engineering.

Online Courses & Certifications

- Artificial Intelligence and Machine Learning(Jan. 2023) - [LogicRays](#)
- Python 3 Programming by Coursera (Nov. 2020) - [University Of Michigan (Coursera)](#)
- Java SE 7 Programming(Mar. 2017) - [Oracle - 50388444](#)