Devshree Shah

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Open to Relocation

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EDUCATION

- **Concordia University**
Master of Applied Computer Science; GPA: 3.6/4.3
Montreal, Quebec
Jan '24 - Present

- **Indus Institute of Technology and Engineering**
Bachelor of Computer Science and Engineering; GPA: 3.87/4
Ahmedabad, India
Aug '18 - July '22

EXPERIENCE

- **Elixir Techne**
Software Developer Intern
Ahmedabad,India
Jan '23 - May '23

  - **Web Application Development and Integration:** Developed a Task Management System using Python 3.0 and Django Rest Framework, enabling users to oversee tasks, projects, and personnel efficiently. Designed and implemented key modules to enhance task management, collaboration, and reporting.
  - **Feature Implementation and Performance Optimization:** Spearheaded the development of core functionalities such as task creation, task tracking, time tracking, and security integration. Optimized system performance, ensuring seamless user experience and reliable data handling.
  - **Issue Management and Resolution:** Developed an ISSUE module, streamlining the process of managing project roadblocks. Implemented features for setting priorities, tracking issue resolution progress, and providing a centralized platform for reporting defects, bugs, and other obstacles. Enhanced project efficiency and ensured timely issue resolution.
  - **Agile Development and Documentation:** Worked in an Agile environment, collaborating with cross-functional teams to enhance project alignment. Managed extensive test plans and documentation, improving efficiency and project traceability.

- **Arth Infosoft Pvt. Ltd.**
Python Developer Intern
Ahmedabad, India
Jan '22 - Apr '22

  - **Full-Stack Development and Optimization:** Developed and optimized backend services for the Expense Management System using Python and Django, enhancing core functionalities such as 'Add Money' and 'View Expenses.' Improved transaction processing accuracy by 10% and ensured smooth data flow between the front and back ends
  - **Feature Implementation and UI/UX Enhancement:** Designed and implemented key features including the Login Screen, Dashboard, and Add Expense page using Django. Focused on creating a user-friendly interface, improving navigation, and enhancing the overall user experience through streamlined front-end development with Bootstrap and JavaScript.

PROJECTS

- **Reactive TubeLytics – Real-time YouTube Analytics [Team of 4]:**
Sept '24 - Dec '24
  - Transformed a Play framework-based application into a reactive server-push app, streaming live search results dynamically using WebSockets and Akka Actors.
  - Implemented user-specific actor instances to manage search history and optimized system resilience with a supervisor actor for failure handling.
  - **Tech Stack:** Java, Play Framework, Akka Actors, WebSockets, Google Guice, JUnit, Mockito. **Project Link: Click Here**

- **Seam Carving for Content-Aware Image Resizing [Team of 2]:**
Sept '24 - Dec '24
  - Re-implemented the Seam Carving algorithm for adaptive image resizing, preserving important structures while reducing or enlarging images dynamically.
  - Developed a Python-based solution leveraging NumPy, OpenCV, and SciPy for efficient gradient calculations, seam identification, and resizing operations.
  - **Tech Stack:** Python, NumPy, OpenCV, SciPy, Dynamic Programming. **Project Link: Click Here**

- **Attendance System Using Facial Recognition:**
  - Designed a real-time facial recognition-based attendance tracking system to enhance accuracy and minimize COVID-19 spread.
  - Enabled seamless online attendance tracking for university lectures, ensuring reliable record-keeping in remote learning environments.
  - **Tech Stack:** Python 3.3+, OpenCV, Dlib, Tkinter.

SKILLS

- **Core Technologies:** Python, Java, C++, C#, JavaScript, TypeScript, SQL, HTML, CSS, React, Node.js, kafka.

- **Development Tools:** MongoDB, PostgreSQL, MySQL, Version Control, Jenkins, Docker, CI/CD, Azure DevOps, Linux, AWS, Git, Software Development Life Cycle (SDLC), GraphQL , Machine Learning, Selenium, Kubernetes.

- **Practices:** Agile, Scrum, Polarion, Object-Oriented Programming (OOP), Data structure and algorithms, TCP/IP.