SHIVANJAY WAGH

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SKILLS

Languages:	Python, Java, JavaScript, SQL, HTML, CSS, C, C+, JSON.
Frameworks:	MySQL, MongoDB, Pytorch, OpenCV, React.js, Node.js, Hadoop, Django, Pandas
Tools:	Git, GitLab, Postman, AWS, REST APIs, Linux, Material UI, Docker, Jira, Kubernetes, Azure
Skills:	Front-end, Agile, Back-end, Unit testing, Micro-services, CI/CD, SCRUM, Kanban, DevOps

EDUCATION

Master of Computer Software Engineering, Arizona State University (ASU) — Expected May 2024

Relevant Coursework: Machine learning, Cloud Computing, Software Agility, Data Mining

WORK EXPERIENCE

Software Engineer — Aug 2021 - Aug 2022

Newgen Software — *Mumbai, India*

- Worked as a Release Coordinator in a **6-member** team in a client facing role, swiftly mitigating critical deployment errors. Spearheaded legacy code upgrades, reducing errors by **25%**. Implemented unit testing.
- Developed back-end logic in Java for a country-wide underwriting model for Star-Union Daichi to give policy quotes to over **500,000** potential customers, gaining an increase in revenue and sales.
- Implemented client-side validations in JavaScript, optimized code resulting in a reduction of form fields by **50%**.
- Helped resolve **150+** Site feedback log requests from clients, changing existing websites to business requirements.

Data Science Intern — Jan 2021 - Aug 2021

Fortiate Data Solutions — *Pune, India*

- Built automated Credit/Risk check portal for bank loan applications, reducing manual data input time by **50%**.
- Deployed AWS Lambda-driven Image classification with auto-scaling and docker containers. Utilized DynamoDB and AWS S3 storage for dynamic scaling and cost efficiency. Achieved **91%** accuracy for document classification.
- Devised algorithm to analyze patterns and transform unstructured text data from Mastercard's **T140** payment file into pandas dataframes optimized for ML applications. Resulting in **95%** reduction in manual efforts.
- Crafted a personalized image dataset for ML applications by web scraping, exceeding **10,000 samples**, augmenting internal data assets and sparing over **$10,000** in expenses slated for a pre-compiled dataset purchase.

RESEARCH EXPERIENCE

Research Assistant Volunteer (part-time) — May 2023 - July 2023

Vision Language for Coherent Video Captioning - PERL Lab at ASU — *Tempe, AZ*

- Deployed SOTA model for training on ASU's Supercomputer, helping achieve a BLEU score of 13.38.

PROJECTS

Elastic Cloud Image Recognition Service on AWS: Designed project architecture to send image processing requests to an **AWS SQS queue**, handling up to 100 requests, process images using **EC2** instance with auto-scaling feature, stored data in **S3 buckets**. Tech: AWS, EC2, AWS CloudWatch, SQS Queue, Node.js, Machine Learning.

AR Assisted Online Wrist Watch Store App: Developed an AR app in Unity where users can try a wrist watch model on their hands. Tech: Unity, Python, ML

CERTIFICATIONS AND ACHIEVEMENTS

- Amazon AWS Cloud Practitioner (certificate)
- Co-founded Cherry-Brooklyn, an online juice business. Developed and launched the cherry-brooklyn website. Cherry-Brooklyn delivered over 10,000 orders in a span of 4 months of physical operations