

SWARALI CHINE

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EDUCATION

- **Arizona State University** Tempe, Arizona
Master of Science in Computer Science; **GPA: 3.8/4.0** Aug '21 - May '23
Coursework – Cloud Computing, Data Mining, Distributed Database Systems, Semantic Web Mining
- **Pune Institute of Computer Technology** Pune, India
Bachelor of Engineering in Electronics and Telecommunications; **GPA: 8.62/10.0** July '15 - June '19
Coursework- Data Structures & Algorithms, Database Management Systems, Machine Learning

PROFESSIONAL WORK EXPERIENCE

- **Tesla** Lathrop, California
Software Engineer Intern Feb'23 - Present
 - Creating data pipeline using Python, **REST API** framework for Service Manufacturing and Mega Factory operations.
 - Establishing consistent data warehouse, data mark through data manipulation processes and **ETL** pipeline.
 - Developing impactful data visualization with Tableau, React and Web for executives.
 - Developing new data tools and web application with **Flask** and **Django** for process optimization and improving Tesla service efficiency.
 - **Technology** – Python, SQL, AWS, Flask, Django, Web Development, React.js, JavaScript, Kubernetes, Docker, R, Machine Learning, **Automation**.
- **eMetric** San Antonio, Texas
DevOps Engineer Intern May '22 – Aug '22
 - Create and maintain fully **automated CI/CD pipelines** using Gitlab and Azure Pipelines.
 - Built and deployed **Docker** containers to break up monolithic app into **microservices** improving **scalability**, speed.
 - Actively managed, improved, and monitored cloud infrastructure on Azure including backups, patches and scaling.
 - **Technology** - Microsoft **Azure**, DevOps, Python, Bash, Terraform, Git, Kubernetes, GitHub repositories.
- **Yardi Software India Pvt Ltd** Pune, India
Software Engineer Aug '19 - Aug '20
 - **Development** - Worked extensively on end-to-end execution of **data migration** projects involving **ETL**, data mapping, conversions. Gathering business requirements, designing and developing various customize reports. Handled large sets of **data cleaning and data manipulations** in CRM/Voyager product of Yardi.
 - **Ownership** - Resolved data issues related to Balance sheet, Income statement, Ledger Reports, Financial aging reports. Collaborate with management and peers to address complex client requests and resolve issues.
 - **Mentoring** - Delivered training to new employees on Yardi's product features, in house reporting tool YSR.
 - **Customer Support** - Resolved a total of 750+ critical cases and modification cases. Worked closely with consultants and account managers post live conversion to provide any required technical support.
 - **Technology** - SQL, MS SQL Server, C#, .Net, SSRS, Excel

TECHNICAL PROJECTS

- **AWS Face Recognition as a Service (IaaS):** Cloud Computing | ASU
 - Designed a face recognition REST Service based on a deep learning model (CNN), AWS services (S3, SQS, EC2) and JavaSpring Boot which can scale out and in based on user demand and handle multiple concurrent requests.
 - **Technology** - Java Spring Boot, Amazon Web Services (AWS) - SQS, EC2, S3, Python
- **AWS Face Recognition as a Service (PaaS):** Cloud Computing | ASU
 - Developed a real-time face recognition application which is serverless and uses Function as a Service model of cloud computing. Raspberry Pi is used as the edge device to record videos and AWS Lambda function based on a containerimage (deep learning model) is used to provide the face recognition service.
 - **Technology** - Python, Docker, Amazon Web Services (AWS) - Lambda, S3, DynamoDB, API Gateway; Raspberry Pi
- **Sign Language Conversion For Tiny-Tots:** Undergraduation Final year project | PICT
 - Built an educational module (trained using CNN algorithms) to teach English grammar and spellings to physically challenged children.
 - **Technology** - Python, MATLAB, Machine Learning Algorithms, CNN, HTML, CSS, Jupiter Notebook

TECHNICAL SKILLS

- **Languages:** Python, SQL, R, C/C++, Java, HTML, CSS
- **Databases:** MySQL, NoSQL (MongoDB), PostgreSQL
- **Cloud Infrastructure:** AWS (IaaS, PaaS, EC2, S3, SQS, Lambda, DynamoDB, API Gateway), Auto Scaling
- **Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib
- **Frameworks:** Django, Flask, Bootstrap, Spring Boot
- **Certification:** AWS Certified Cloud Practitioner, AWS Certified Solutions Architect