

Yashkumar Maheshwari

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EDUCATION

- **Master of Science - Computer Software Engineering** Aug '22 - May '24
Arizona State University - 3.7/4.0
Courses: Software Design, Game Programming and Design, Human Computer Interaction, Semantic Web Engineering, Software Verification-Validation and Testing.
- **Bachelor of Engineering - Computer Engineering** Jul '18 - Jun '22
Gujarat Technological University - 8.96/10
Courses: Data Structures and Algorithms, Database Management System, Cloud Computing, Machine Learning, Artificial Intelligence.

SKILLS SUMMARY

- **Languages** : Python, Java, C++, C#, JavaScript, React
- **Frameworks** : Django, Flask, Spring Boot, Pandas, NumPy, SK Learn, TensorFlow, Dialogflow, Matplotlib, Open CV
- **Tools** : GIT, Jira, AWS, MySQL, MongoDB, Celery, Docker
- **Soft Skills** : Leadership, Collaborative Working, Event Management, Public Speaking, Time Management

CERTIFICATION

- **AWS Certified Cloud Practitioner (CLF-C02)** May '24

WORK EXPERIENCE

- **Software Development Volunteer** Jan '24 - Apr '24
Kutta Technologies - Capstone Sponsor for Arizona State University
Remote
 - Applied **agile software development** practices and conducted research for various optimization techniques.
 - Optimized **object detection** on Small Mission Computer and increased accuracy by **4%**.
- **Software Development Intern (AI/ML)** Jan '22 - Jul '22
Fero.Ai
Ahmedabad, India
 - Built chat-bots for Logistics and Supply Chain Industry with **Dialogflow** NLU Engine and **Django** as backend.
 - Integrated Dialogflow with Django to presentation tool allowing to create dynamic conversation without explicit typing, saving time for developers to understand product by **25%**.
 - Pre-processed data worth **82,000** instances, and designed models to replace existing static route optimization service with in house ML enabled tool cutting companies cost to **37%**.
 - **Led** a team of interns to leverage the Google Translate API to satisfy translation needs and enable language switching between conversations and utilized **Redis** to cut down average response time by **42%**, from 6.2 seconds to 3.6 seconds.
- **Data Science and Business Analyst Intern** Jul '21 - Aug '21
The Sparks Foundation
Remote
 - Performed **EDA** on 10,200 instances and create visualizations for sales of a superstore.
 - Conducted **Time Series Analysis** where positive headlines led to a 2.5% rise in stock price and negative caused a 1.8% drop.
- **Web Development Intern** Jun '21 - Jul '21
Creart Solution
Remote
 - Developed an admin panel, provided CRUD operations for ceramic company website using **PHP backend, Laravel and MySQL database**.
 - Built a project management Web App with Laravel containing features such as task management, tracking and assignment.
- **Software Development Volunteer** Apr '21 - Jun '21
Dhanvantri Covid Hospital
Ahmedabad, India
 - Processed data stored in **PostgreSQL** on patient details, to make it usable for visualizations.
 - Devised Bar Charts, Line graphs and Pie Charts for press release to visualize Patients admitted, Patient Recovery, Patients Discharged (Normal, DAMA), Death. with average 800 patients on premise daily.
 - Developed a complete dashboard with featuring timeline and data scrolling, reducing user task time by **19%** and making data easily accessible.

PROJECTS

- **Sudoku Solver / Challenger** Aug '23 - Present
 - Solve a Sudoku, verify Solution to a Sudoku and allows to design a Sudoku board to challenge someone else.
- **Disease Predictor** Sep '23 - Nov '23
 - Constructed **OWL** dataset with **81,000** instances and hosted it to Stardog.
 - Designed rules to fetch disease according to user provided symptoms.
- **Safe-Screen : Non Invasive Child Monitoring app** Feb '23 - Apr '23
 - Constructed **REST APIs** using **Java** to fetch data from different sources.
 - Designed data pipeline to send and process data, giving a **29%** reduction in processing time and scaled to handle **3x** data.