

Het Bhesaniya

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SUMMARY

Master's student in Information Technology at Arizona State University with hands-on experience in software development, backend engineering, and cloud deployment. Skilled in Python, JavaScript, SQL, and cloud platforms (AWS, Azure), I bring strong problem-solving ability, Agile teamwork experience, and a focus on writing clean, maintainable, and production-ready code for real-world applications. Core CS foundation in data structures and algorithms, object-oriented design, and basic system design.

EDUCATION

Arizona State University
Master's in Information Technology (AI)
GPA: 4.0/4.0
Relevant Coursework: Cloud Computing, Machine Learning for NLP, AWS Data Engineering, Information Systems, Database Management, Big Data Analytics, Software Design and Architecture

Tempe, AZ, USA
Jan 2024 – Aug 2026

Gujarat Technological University
Bachelor's in Information Technology
GPA: 3.16/4.0
Relevant Coursework: Software Engineering, Object-Oriented Programming (OOP), Computer Networks, Web Technologies, Database Systems

Gujarat, India
Jul 2020 – Jul 2024

TECHNICAL SKILLS

- Languages:** Python, R, TypeScript, JavaScript, SQL, HTML, CSS, Bash
- Frontend and Backend:** React, Next.js, Tailwind CSS, Angular, Node.js, Flask, Spring Boot, RESTful Web Services, API Development, XML, JSON, HTTP, SSL, Responsive Design, Accessibility, SEO
- Cloud and DevOps:** AWS EC2, S3, Lambda, Glue, Athena, CloudFormation, Docker, GitHub Actions, Nginx, Linux, CI/CD
- Data and ML:** scikit-learn, Pandas, NumPy, Matplotlib, YOLO, OpenCV, Jupyter, Google Colab
- Databases:** MySQL, PostgreSQL, MongoDB, Redshift, Snowflake, SQLAlchemy, Query Optimization

EXPERIENCE

GlassiaAI
Software Developer - Remote

England, UK
Jun 2024 – Present

- Developed and optimized backend services for voice cloning and text-to-speech pipelines, reduced API latency by 30% by optimizing FastAPI pipelines deployed via Docker on AWS EC2.
- Designed and integrated RESTful APIs for multilingual audio translation, enabling support for 10+ languages and handling thousands of daily requests.
- Collaborated with cross-functional teams in Agile sprints, implementing unit tests (Pytest) and CI/CD pipelines on GitHub Actions to ensure reliable deployments and accurate lip-sync in localized media.

ASU – Enterprise Brand Strategy and Management
Data and Editorial Operations Analyst

Tempe, AZ, USA
Jan 2025 – Present

- Automated repetitive editing workflows by creating and maintaining collaborative tracking sheets, cutting turnaround time by 40%.
- Developed scripts to reformat and validate publication data, reducing manual errors by 90%.
- Partnered with developers to integrate workflow tools into publication pipelines, ensuring 100% on-time delivery.

NR Crew Pvt. Ltd.
Software Development Intern

Ahmedabad, India
Jan 2024 – Jun 2024

- Designed and deployed a dynamic e-commerce platform with personalized product recommendations, integrating RESTful APIs and MySQL for scalable data management.
- Optimized front-end performance by profiling and refactoring code, reducing page load times by 35% and improving user experience.
- Collaborated in Agile sprints, contributed to code reviews and Git-based version control, and presented solutions directly to clients, improving delivery speed and stakeholder satisfaction.

PROJECTS

FaceFixer - ML-Powered Skincare Assistant

2025

- Curated and annotated more than 350 facial images covering acne, wrinkles, oily skin, and dark circles using Label Studio; applied data augmentation techniques to balance classes and improve dataset diversity for robust training.
- Trained and optimized a YOLOv11 model on Google Colab with GPU acceleration, raising mAP@50 from 62% to nearly 70% through hyperparameter tuning, input resolution adjustments, and optimizer selection.
- Integrated the ML model with a Spring Boot backend via ProcessBuilder, secured API endpoints with OAuth2 and JWT, and designed a scalable architecture with AWS S3 storage, mobile deployment, and personalized skincare recommendations.

Swiftiply – Secure AI Reply Extension

2025 — Present

- Browser extension for Chrome and Firefox using Manifest V3, TypeScript, React popup, content scripts, and a background service worker; generates context-aware reply drafts via ChatGPT API with minimal scopes.
- Privacy and security by design with least-privilege permissions, on-page parsing, no server storage, encrypted key handling, strict content security policy, and HTTPS-only API calls.
- Roadmap includes Slack and Gmail integrations, tone and length controls, reusable prompt templates, streaming drafts, per-workspace policies, enterprise SSO, and store distribution on Chrome Web Store and Firefox Add-ons.