

Shilp Shah

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Education

Purdue University – West Lafayette

Graduating, May 2027

B.S. in Computer Science (**SWE & ML conc.**), Artificial Intelligence; Certificate in Data Science

Dean's List and Semester Honors

Certifications

Microsoft Azure Fundamentals (AZ-900), CITI (Human Subjects Research)

Skills

Programming Languages: Python, R, Java, C, C++, Dart, JavaScript, HTML/CSS, SQL

Frameworks & Libraries: React, Flutter, Django, Pandas, NumPy, Matplotlib, R Shiny

Cloud & Platforms: Microsoft Azure, Salesforce CRM, ServiceNow, Genesys Cloud, Google Cloud Platform (GCP), Git, Linux

Data Analysis & ML Tools: Scikit-learn, TensorFlow (basic), REST APIs, ITIL/ITSM, MBMA, PBPK, QSP Modeling

Systems & Methods: Lex/Yacc, x86-64 Assembly, Concurrency, Agile/Scrum, Healthcare Data Analytics

Professional Experience

Johnson & Johnson – Go/No-Go Drug Development (The Data Mine)

Aug 2025 – Present

West Lafayette, IN

- Collaborating with J&J R&D to evaluate **go/no-go decisions** in drug development using **MBMA, PBPK, and QSP models**.
- Applying **R, R Shiny, and Python** for data integration, visualization, and simulation to support decision-making.
- Gaining exposure to **healthcare data analytics, clinical trial simulation**, and translational medicine frameworks.

Purdue Information Technology – Service Desk Representative

Apr 2024 – Present

West Lafayette, IN

- Resolved Tier-1 IT issues (**IA, AC, AU, networking**) while managing tickets in **ITSM** and ensuring **SLA compliance**.

Transition Path Inc. – Product Analyst and Developer (The Data Mine)

Aug 2024 – May 2025

West Lafayette, IN

- Directed a 10-person team to deliver a secure AI assistant, leveraging **Django + React** with **GPT-4, Gemini, and Llama models** for hybrid inference.
- Implemented **LLM streaming**, zero-retention APIs, and on-device inference to enable secure document Q&A.
- Co-presented research at the **TDM Symposium** on AI methods to preserve privacy.

Global Solutions Group Inc. – Application Modernization Intern (Salesforce)

May 2024 – Aug 2024

Detroit, MI

- Built and configured a Proposal Management app in **Salesforce CRM**, modernizing client proposal workflows.
- Supported admin tasks, certification prep, and gained exposure to **cloud computing** within Salesforce.

GetOnCRM Solutions – Salesforce Administration Intern

May 2022 – Dec 2022

- Assisted with Salesforce org-wide configuration, user role management, and security policies.
 - Built reports and dashboards to improve client decision-making using **cloud-based CRM tools**.
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Projects

GeoWake (Flutter App)

- Developed a location-based alarm app with **geofencing, offline maps, background polling**, and **Google Maps integrate**.
- Added address autocomplete and transport-aware thresholds to optimize UX and battery usage.

Custom Dynamic Memory Allocator

- Implemented a thread-safe allocator in **C** (`malloc/free`) with **mutex locks**, minimizing fragmentation and improve heap use.

Simple C Compiler

- Designed a **SimpleC** compiler using **Lex/Yacc**, generating **x86-64 assembly** with support for control flow and pointers.

E-commerce Platform (Java)

- Built a **Java** marketplace app with GUI, **concurrency support**, and **network I/O** for multi-user transactions.
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Leadership & Involvement

Director of Events, University Residences Global – Led large-scale student events; represented UR at RHA

Floor Senator, Parker Halls Parliament – Advocated for residents and coordinated hall initiatives