

# Solvin Shrestha

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## TECHNICAL SKILLS

**Languages:** SQL (Postgres), Java, Python, C/C++, JavaScript, HTML/CSS, R

**Frameworks & Libraries:** React, Node.js, Flask, JUnit, FastAPI, Numpy

**Developer Tools:** PostgreSQL, MySQL, Database Administration, Query Optimization, RESTful API, Git, Eclipse, Firebase, Pinecone

## EDUCATION

**University of California, Irvine**

Irvine, CA

*Bachelor of Science in Software Engineering, Minor in Health Informatics*

Aug. 2021 – June 2025

- **Relevant Courses:** Cisco Networking, Cybersecurity/IT Fundamentals, Data Structures, Algorithms, Object-Oriented Programming, Advanced Computer Networks, Data Management, Operating Systems, Information Retrieval, Internet Application Engineering

## EXPERIENCE

**IT Service Technician**

Sep. 2025 – Present

*Six Flags Entertainment - Knott's Berry Farm*

Buena Park, CA

- Provide L1/L2 technical support for enterprise hardware, software, and network infrastructure across park operations, responding to and documenting service requests through ticketing system
- Deploy and configure POS workstations, peripherals, and software packages for 500+ seasonal staff, utilizing imaging tools and Active Directory for user provisioning and access management
- Troubleshoot network connectivity issues and collaborate with senior IT staff on infrastructure projects, gaining hands-on experience with enterprise IT operations and technical communication

**Information Technology Capstone**

Sep. 2024 – Mar. 2025

*Edwards Lifesciences*

Irvine, CA

- Designed and deployed three AI-powered chatbots using Microsoft Copilot Studio, connecting enterprise data sources (OneDrive, SharePoint, ServiceNow) to improve employee self-service capabilities
- Coordinated project deliverables and stakeholder presentations across team of 5, managing sprint planning and timelines throughout 10-week development cycle
- Created comprehensive AI adoption framework including user personas, prompt library, and governance guidelines, presenting technical findings and business value propositions to IT leadership

## PROJECTS

**Anteater Auto Services** | *React, Node.js, MongoDB, AWS EC2, REST API*

[Date Range]

- Built full-stack SaaS platform appointments, services, and customer data with MongoDB database and RESTful API backend
- Developed secure authentication and booking workflows with CRUD operations, implementing data validation and timestamped record management
- Deployed application on AWS EC2 Linux instance, integrating third-party APIs (Google Maps, Clerk) for location services and user authentication
- Built responsive React frontend with component-based architecture and Express backend with structured MongoDB schemas for scalable data management

**Web Crawler and Search Engine** | *Python, HTML/CSS, Javascript*

Mar. 2024 – June 2024

- Developed a web crawler to retrieve web pages from UCI ICS domains with Sim Hash
- Constructed an inverted index to store the tokens based on the calculation of its TF-IDF score
- Improved the search engine to handle tens of thousands of web pages with a query response time under 300ms

**AI Rate My Professor Assistant** | *Next.js, React, OpenAI, Pinecone*

July 2024 – Aug. 2024

- Built an AI-powered recommendation system for professor reviews, integrating sentiment analysis and trend tracking for insights on ratings
- Implemented web scraping for automated data ingestion from review pages, storing structured data in Pinecone vector database for real-time querying
- Designed personalized search system with recommendations based on user criteria