

HEMIL PATEL

📍 New York, USA | 📞 +1 (929) 412-9288 | ✉️ hemilpatel971@gmail.com | [🌐 LinkedIn](#) | [🐙 GitHub](#)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, HTML, C, C++, Maven, Ant/Shell

Tools & Technologies: RestAPI, GraphQL, Jira, Jenkins, Docker, Kubernetes, gRPC, JSON, Git, Elasticsearch, Eclipse, Redis, Tableau

Development Frameworks: Spring boot, Node.JS, Angular, React, JUnit, CI/CD, OOP, Kafka, Spark, Next.js, Microservices, Flask, Django, Agile

Databases & Cloud: AWS S3, AWS DynamoDB, Postgres, MySQL, Snowflake, MongoDB, No-SQL, RDS, Apache Cassandra

WORK EXPERIENCE

Software Engineer | Onsemi

Scottsdale, Arizona

August 2024 - Present

- Maintained and enhanced the Onsemi **Spring Boot** website with **over 80,000 products** using **microservices architecture**, resolving **10+ production** issues in the web application and content management system, resulting in a **15% increase** in user engagement.
- Built a contact management tool using **React.js**, **Spring Boot** and **PostgreSQL** for the backend, and deployed it on **AWS EC2**, enabling Onsemi customers to easily identify and reach product-specific stakeholders across departments.
- Migrated internal applications (CMS & LTSA) from HTTP to HTTPS post **AWS cloud transition**, refactoring route handling, deploying SSL certificates, and configuring HTTPS redirection and monitoring using **CloudWatch** to meet internal security and audit requirements.
- Implemented **multi-factor authentication (MFA)** for customer logins on the Onsemi website using **Spring Security** and **OKTA**, achieving a **40% decrease** in unauthorized access attempts and a **10% increase** in customer retention.
- Conducted comprehensive **end-to-end testing**, authored **10+** unit and integration tests, ensuring robust production code quality.

Senior Software Engineer | Deets Digital

Ahmedabad, India

February 2022 - August 2022

- Implemented **scalable REST APIs** for retail financing using **Flask**, **Azure Functions** and WhatsApp for Business integration, handling over **5,000 daily transactions**, resulting in a **60% increase** in processing speed and a **\$50K boost** in monthly revenue.
- Effectively resolved **critical workflow issues** within the financing application, reducing distributed system downtime by **15%**, enhancing **system stability**, and improving daily **transaction processing speed**, resulting in improved overall system performance.
- Built a **Python** application to automate business logic functions for generating sales forecasting and inventory management reports, eliminating dependency on Excel spreadsheets and resulting in a **20% reduction** in man-hours per month for the client.
- Engineered **CI/CD pipelines** and conducted code reviews using **GitHub** and **Jenkins**, streamlining project setup.

Senior Software Engineer - AI Applications | HiTech Solutions

Ahmedabad, India

October 2020 - January 2022

- Led the proposal and implementation of a **scalable Python service** for a credit default prediction system, integrating a Logistic Regression model with **87% accuracy** into production, reducing operational costs by **30%** and speeding up **loan approvals by 2x**.
- Reduced **latency by 30ms** in the model API by implementing **caching**, **dynamic batching** and optimizing parameterized **queries**, increasing prediction speed and system **reliability by 20%**.
- Implemented a sentiment analysis model on client satisfaction surveys and feedback emails. Deployed a **Flask API** to serve predictions and built a **real-time dashboard** in **React**, enabling organization-wide insights into customer experience.
- Managed a team of engineers, overseeing **project management**, client communication, **code reviews**, and documentation through **JIRA**, successfully onboarding and **mentoring 3+ new hires** while improving **team collaboration** and **efficiency**.

Software Engineer - AI Applications | HiTech Solutions

Ahmedabad, India

October 2019 - September 2020

- Developed and trained deep learning vision and text models to extract **over 50 attributes** from product discount images across **100+ product types** with **94% accuracy**, enriching product data and **improving pricing strategies** for the client.
- Engineered **end-to-end ETL** pipelines for feature extraction and data preprocessing, **cutting the project lifecycle by 25%** and facilitating faster model training and deployment.

Machine learning Engineer | Divine Infosys

Ahmedabad, India

April 2019 - July 2019

- Demonstrated a **Transformer** model PoC achieving **82% accuracy**, to generate legal text summaries and classify legal cases.
- Developed a data extraction solution using **Python**, **Selenium** and **MongoDB** to retrieve case documents from a list of websites.

EDUCATION

Stevens Institute of Technology, *Masters in Computer Science*
Gujarat Technological University, *Bachelors in Information Technology*

Hoboken, NJ
Ahmedabad, India

September 2022 - May 2024
August 2015 - May 2019

TECHNICAL PROJECTS

1. **Catan Board Game (TypeScript, CSS, Vercel, Multithreading):** Developed a web application to generate random Catan boards ([Website](#)).
2. **My portfolio website (React, Next.js, Typescript):** A personal portfolio website to showcase professional work and projects ([Website](#)).