

HEMIL PATEL

[Linkedin](#) | hemilpatel971@gmail.com | [Github](#) | [MyPortfolio](#) | Arizona, USA

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, C, C++

Web Technologies: Spring boot, React.js, Node.js, Express.js, Next.js, HTML, CSS, REST APIs, Flask, Django

Databases: MySQL, PostgreSQL, Redis, MongoDB

ML and DL Frameworks: Pandas, NumPy, Scikit-Learn, Keras, TensorFlow, OpenCV

Cloud platforms/Other Technologies: AWS, Azure, GCP, Tableau, Docker, Postman, GIT, Jenkins, CI/CD, JIRA, PowerBI

WORK EXPERIENCE

Software Engineer

Aug 2024 - Present

Onsemi *Scottsdale, Arizona*

- Maintained and enhanced the Onsemi website with over **80,000 products**, ensuring seamless functionality and performance.
- Built a new visibility report **microservice**, notifying stakeholders of any changes made to available products on the website.
- Resolved **5+** production issues in the **Spring Boot** codebase for the website and its integrated content management application.
- Followed **Agile** practices, participating in **SCRUM** ceremonies and using **JIRA** for task management and sprint tracking.

Software Engineer

Feb 2022 - Aug 2022

Deets Digital *Ahmedabad, India*

- 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.
- 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.
- Cut deployment time by **15%** by executing **10+** unit and integration tests, ensuring robust production code quality.
- Engineered **CI/CD** pipelines and conducted code reviews using **GitHub** and **GitHub Actions**, streamlining project setup.

Senior Data Scientist

Oct 2019 - Jan 2022

HiTech Digital Solutions *Ahmedabad, India*

- Led the development of a credit default prediction model using **Logistic Regression** with **87% accuracy**, reducing credit risk for financial products, resulting in a **30% decrease** in operational costs and speeding up loan approvals by **2x**.
- Built a product identification tool using **computer vision** techniques, achieving **94% accuracy** on identifying product names and prices, leading to improved inventory tracking and pricing strategies for the client.
- Developed a **sentiment analysis** model and dashboard on client satisfaction surveys and feedback emails, achieving **82% accuracy**, used at the **organizational** level to improve customer experience management.
- 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.
- Managed a team of junior data scientists, overseeing project management, client communication, code reviews, and documentation through JIRA, successfully onboarding and mentoring **3+** new hires while improving **team collaboration** and **efficiency** by **30%**.

Machine Learning Intern

Apr 2019 - Jul 2019

Divine Infosys *Ahmedabad, India*

- Demonstrated a **Transformer** model PoC achieving **82% accuracy**, to generate legal text summaries and classify legal cases.
- Developed a custom data extraction solution leveraging **Selenium** to retrieve legal case documents from selected list of websites.
- Automated supply chain dashboards and reports for clients using SAP Lumira and **SQL**, cutting man-hours by **15%**.

EDUCATION

Stevens Institute of Technology

Sept 2022 - May 2024

Master of Science in Computer Science

Hoboken, NJ

Gujarat Technological University

Aug 2015 - May 2019

Bachelor of Technology in Information Technology (IT)

Ahmedabad, India

PROJECTS

Cloud-based Task Manager | *React(Vite), Redux, Tailwind CSS, Node.js, Express.js, MongoDB*

- Created a MERN stack project management app with core features like task assignment, progress tracking, and file sharing.
- Integrated functionalities using **React.js** with **Redux** in the frontend, employed **Express.js** as middleware, and utilized **MongoDB** for database management that communicates with the backend in **Node.js** through **REST APIs**.
- Developed user management functionalities such as user authentication, authorization and profile management using JWT tokens.

Real-Time Chat APP | *Nest.js, TypeScript, Prisma, Postgres, GraphQL, Redis, Docker*

- Developed a scalable chat app using **Nest.js & Postgres**, enabling users to chat, share files, and create customizable chat rooms.
- Implemented **GraphQL** subscriptions utilizing WebSockets to establish real-time communication between the backend and frontend, to seamlessly integrate event listening and obtain real-time updates.
- Utilized **Redis** to store and dynamically update the list of active users in the chat room.
- Implemented Login and Sign-Up functionality with all the validations using **JWT** tokens for secure user authentication.

Catan Board Generator | *TypeScript, CSS, Vercel, Multithreading*

- Developed a web application to generate random Settlers of Catan boards, hosted on Vercel ([Website](#)).

EXTRACURRICULAR

- Served as a Teaching Assistant for Python programming at my undergrad institution in the Computer Science department.