

BHARGAV PATEL

🏠 Harrisburg, PA | 📞 570-762-8209 | ✉️ bhargavptl77@gmail.com | 🌐 LinkedIn | 🌐 GitHub | 📁 Portfolio

EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science | Cumulative GPA: 3.77/4.00

August 2022 - May 2024

Sardar Vallabhbhai Patel Institute of Technology, Gujarat Technological University, India

Bachelor of Engineering in Information Technology | Cumulative GPA: 3.70/4.00

August 2016 - September 2020

TECHNICAL SKILLS

Languages:	Java 8+, JavaScript, Python, .NET, Prolog, C, C++
Frameworks & Lib.:	ReactJS, Spring Boot, Hibernate, Angular, NodeJS
Server and Cloud:	Amazon Web Services (AWS), Google Cloud Platform (GCP), Microservices, REST, JPA, J2EE, Docker, WebSocket
Databases:	PostgreSQL, MongoDB, RDBMS, OracleDB, MS SQL
Software & Tools:	Visual Studio, IntelliJ, Eclipse, GitHub, Jira, SOAP, PostMan, JMeter
Methodologies:	Agile & Scrum Project Management, Software Development Lifecycle (SDLC)

PROFESSIONAL EXPERIENCE

Uplers Solution Private Limited | Full-Stack Developer

February 2021 - June 2022

- Engineered and coded consumer-focused email interfaces with **HTML5**, **CSS3**, **JavaScript**, and **ReactJS**, amplifying user engagement metrics by 65-70% and delivering a notable escalation in click-through rates and conversions
- Managed thorough email testing and quality assurance procedures leveraging **Email-on-Acid** and **Litmus**; drove a notable 15% uptick in campaign efficiency, resulting in enhanced customer response rates and overall engagement levels
- Led the deployment and oversight of robust email campaign interfaces on diverse platforms (**Mailchimp**, **HubSpot**, **Marketo**, **Pardot**, **Iterable**), leading to a remarkable 20-30% improvement in campaign deliverability rates

ACADEMIC EXPERIENCE

Binghamton University (SUNY) | Graduate Teaching Assistant, Design Patterns

January 2024 - Present

- Innovated the course development process by collaborating closely with the professor to structure assignments, exams, and projects for the Design Patterns curriculum; this resulted in a 30% improvement in student performance
- Coordinated weekly academic review sessions for 125+ students, implementing customized study strategies that led to a notable 25% increase in average test scores

Binghamton University (SUNY) | Graduate Grader, Design Patterns

August 2023 - December 2023

- Catalogued over 110 assignments and exams for a graduate-level course on Design Patterns

PROJECT EXPERIENCE

AWS Video Streaming Platform ([Project Link](#)) | Cloud Developer

January 2023 - May 2023

- Spearheaded the creation of a scalable video streaming platform using AWS tools like **Amazon S3** and **CloudFront**, which boosted platform availability by 40% and reduced video delivery latency, enhancing user experience
- Architected AWS serverless solutions for video processing, leveraging Amazon DynamoDB in conjunction with ReactJS to enhance efficiency by 45%, enable seamless scaling, and consequently improve quality and user experience

Stock Market Sentimental Analysis ([Project Link](#)) | Data Analyst

February 2021 - May 2021

- Orchestrated integration of real-time data visualization in **Flask** web platform, leveraging **Python libraries** like Matplotlib, inducing in a 30% enhancement in stock market sentiment analysis and insights extraction from Reddit and Yahoo discussions
- Directed the integration of a **PostgreSQL** database system to drive data-driven decision-making, enabling the creation of customized dashboards and reports that led to a 15% increase in user engagement and revenue growth

ExpenseEase ([Project Link](#)) | Full-Stack Engineer

September 2020 - January 2021

- Initiated the development of a web application integrating OCR technology and AI/ML analytics to optimize financial tracking, yielding a 20% improvement in expense processing accuracy
- Pioneered MVP execution via Node.js and MongoDB, achieving a 25% improvement in data extraction and storage, while strategizing AWS integration for enhanced analytics and user-centered dashboards

PharmaCrypt ([Project Link](#)) | Blockchain Developer (Research)

January 2020 - August 2020

- Implemented **Blockchain**, **IOT** and **ReactJS** to achieve 40% transparency enhancement transparency in the pharmaceutical supply chain
- Developed a web app enabling consumers to verify product authenticity via QR codes, aiding in a 35% increase in consumer trust

PUBLICATIONS

- Pharmaceutical supply chain management system using Blockchain and IoT technology By Gargi Chauhan, **Bhargav Patel**, Nikunj Prajapati, Shailendra Raj, Shlok Gadre, Saurabh Patel ([Publication Link](#))

January 2023 - May 2023