

# BHARGAV PATEL

🏠 Scranton, 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*

**August 2022 - December 2023**

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

*Bachelor of Engineering in Information Technology*

**August 2016 - September 2020**

## TECHNICAL SKILLS

**Languages:** Java 8+, JavaScript, C++, C, Python, .NET  
**Frameworks & Lib.:** Angular, ReactJS, NodeJS, Spring Boot, Hibernate, Web socket  
**Databases:** RDBMS, OracleDB, MS SQL, MongoDB, PostgreSQL  
**Software & Tools:** Visual Studio, Eclipse, Git, IIS, Wix, FTP, PostMan, JMeter  
**Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure Cloud  
**Additional:** AWS Docker, HTML5, CSS3, XML parsing, Java web applets, Kubernetes, Agile Methodology, Design Patterns

## PROFESSIONAL EXPERIENCE

**Uplers Solution Private Limited, Full-stack Developer** | Ahmedabad, India

**February 2021 - June 2022**

- Engineered and coded consumer-focused email interfaces with HTML5, CSS3, JavaScript, and ReactJS, amplifying user engagement metrics by 55-70% 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, Graduate Teaching Assistant, Design Patterns** | NY, United States

**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
- Orchestrated weekly academic review sessions for 125+ students, implementing customized study strategies that led to a notable 25% increase in average test scores

**Binghamton University, Graduate Student Assistant – Graduate Grader** | NY, United States

**August 2023 - December 2023**

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

## PROJECT EXPERIENCE

**AWS Video Streaming Platform** | AWS Services, Amazon S3, Amazon Dynamo Database, ReactJS ([Project Link](#))

**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, enhancing efficiency by 50% and enabling seamless scaling; decreased processing errors by 70%, resulting in improved quality and user experience

**Stock Market Sentimental Analysis** | Data Analysis, Python, Flask, PostgreSQL ([Project Link](#))

**February 2021 - May 2021**

- Orchestrated integration of real-time data visualization in Flask web platform, leveraging Python libraries like Matplotlib, resulting 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** | OCR and Data Extraction, Node.js, MongoDB ([Project Link](#))

**September 2020 - January 2021**

- Spearheaded the development of a cutting-edge web application integrating OCR technology and AI/ML analytics to optimize financial tracking; improved expense processing accuracy by 40% and reduced processing time by 50%
- Engineered and executed MVP through Node.js and MongoDB, achieving a 25% improvement in data extraction and storage. Strategizing AWS integration for enhanced analytics, predictive insights, and user-centered dashboards to drive business growth

**PharmaCrypt** | Blockchain (Ethereum solidity), Internet of Things (Raspberry pi), ReactJS ([Project Link](#))

**January 2020 - August 2020**

- Implemented Blockchain and IOT Technology to achieve 30% transparency enhancement transparency in the pharmaceutical supply chain
- Developed a web application enabling consumers to verify product authenticity via QR codes, resulting in a 20% increase in consumer trust

## PUBLICATIONS

- Patel, R., Patel, N., Smail, L., Kamboj, P., & Soni, M. (Eds.). (2023). Intelligent Green Communication Network for Internet of Things (1st ed.). CRC Press. <https://doi.org/10.1201/9781003371526> ([Publication Link](#))

**January 2023 - May 2023**