

Bhargav Patel

📍 Scranton, PA | 📞 570-762-8209 | ✉️ bhargavptl77@gmail.com | 🌐 www.linkedin.com/in/bhargavpatel07

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: C++, C, **Java**, Python, .NET, **JavaScript**
Frameworks & Lib.: Angular, **ReactJS**, **NodeJS**, Java Spring, Java Hibernate
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: XML parsing, **HTML**, **CSS**, Java web applets, **Kubernetes**, Docker, Agile Methodology, **SRSS**, Design Patterns

PROFESSIONAL EXPERIENCE

Uplers Solution Private Limited, Web/Campaign Developer (Full stack) | Ahmedabad, India May 2021 - June 2022

- Designed and coded consumer-focused email interfaces with HTML, CSS, and JavaScript improving user engagement metrics by 55-70%
- Conducted comprehensive email testing and quality assurance with Email-on-Acid and Litmus, resulting in 15% increase in campaign efficiency
- 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 | Binghamton, NY January 2024 - Present

- Evaluated and graded 110+ assignments, exams, and projects for CS 442/542 - Design Patterns course, ensuring adherence to grading rubric and providing constructive feedback to students for continuous improvement
- Orchestrated and executed weekly academic review sessions for 50+ students; implemented tailored study strategies resulting in a 25% increase in average test scores
- Hold regular office hours, dedicating 10 hours per week to provide guidance and address student inquiries, ensuring accessibility and support for all students

Binghamton University, Graduate Student Assistant – Graduate Grader | Binghamton, NY August 2023 - December 2023

- Catalogued over 100 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 January 2023 - May 2023

- Architected and built a scalable video streaming platform leveraging AWS services, including Amazon S3 and CloudFront
- Leveraged the capabilities of AWS serverless architecture to streamline video processes, resulting in improved efficiency and scalability

Covid-19 Tracker | NodeJS, ReactJS, Heroku February 2021 - May 2021

- Engineered a comprehensive full-stack web application to monitor Covid-19 cases, resulting in a 20% increase in user engagement facilitated by enhanced data visualization features
- Orchestrated deployment on Heroku, seamlessly integrating with a third-party API to source real-time data, resulting in a 15% improvement in data accuracy and reliability

Python-Driven Spotify REST API Development: Enhancing Data Processing and Retrieval | Python September 2020 - January 2021

- Architected and executed a Python-driven REST API project for Spotify, optimizing data processing capabilities by 25% and streamlining data retrieval functions by 30% to enhance platform performance and user satisfaction

PharmaCrypt | Blockchain (Ethereum solidity), Internet of Things (Raspberry pi), ReactJS
Pharmaceutical Supply Chain Management System using Blockchain and IOT Technology January 2020 - August 2020

- Implemented Blockchain Technology for transparency in the pharmaceutical supply chain
- Developed a web application for consumers to verify product authenticity using QR codes

Research Work: 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> ([Chapter Link](#))

LEADERSHIP EXPERIENCE

Co-founder at The Coding Bakery - Vadodara, August 2020 - September 2023

- Orchestrated technical support activities, resulting in a 30% increase in student satisfaction
- Developed and implemented strategies, leading to a 20% rise in student engagement and a 15% improvement in course quality standards

Technical Support Coordinator at Coding Club, SVIT January 2019 - August 2020

- Logged over 150 volunteer hours as a Technical Support Coordinator throughout the academic year, providing assistance with technical inquiries and optimizing support operations to enhance efficiency