

Ketu Patel

815-509-8421 | ketupatel1010@gmail.com | [linkedin.com/in/ketu-patel-rpi](https://www.linkedin.com/in/ketu-patel-rpi) | github.com/Ketu-Patel

EDUCATION

Rensselaer Polytechnic Institute

May 2024

Bachelor of Science in Computer Science and Information Technology & Web Science

GPA: 3.71/4

Dean's Honor List, Magna Cum Laude

Relevant Coursework: Data Structures, Algorithms, Software Design & Documentation, Principles of Software, Operating Systems, Managing IT Resources, Discrete Mathematics, Computer Organization, Web Science Systems Development, Intro to AI, Parallel Programming, Database Systems

TECHNICAL SKILLS

Languages: Java, Python, C, C++, C#, CUDA, SQL (Postgres, MySQL), MongoDB, Rust, JavaScript, TypeScript, HTML/CSS, R, PHP, Dafny, Bash, Assembly

Frameworks: Angular, React, Vue.js, Node.js, Flask, Express, Django, Bootstrap, JUnit, JavaFX, Pytest

Developer Tools: Git, Docker, Heroku, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: OpenCV, Pandas, NumPy, BeautifulSoup, Requests, Networkx, Tkinter, Discord.py, jQuery, Axios

EXPERIENCE

Software Engineer Intern

Aug. 2022 – Dec. 2022 & May 2023 – Aug. 2023

MAXISIQ

Arlington, VA

- Contributed to a secure communication platform for a distributed network by creating virtual infrastructure for VMware using Rust, Python, and Docker
- Implemented improvements in log and resource management, contributing to the efficient gathering, parsing, and reorganization of high-value information from nodes within the distributed system
- Contributed to components of a distributed system to becoming key contributor to critical path feature development

Software Engineer

July 2021 – Feb. 2022

eCom Elite Consulting

Rockton, IL

- Created a streamlined data automation software to save over a hundred hours of work a week and boost performance by 240%
- Built text-based and image-matching software using OpenCV resulting in a 10x improvement in product checking
- Developed a data scraper Python program to retrieve useful information on a daily basis for data analysts
- Boosted business potential profits by more than 50% through the implementation of a profit-enhancing process
- Created an autonomous Chrome extension to manage browsers for over 100 virtual machines

Information Technology Technical Support

Jan. 2021 – July 2021

Ruchi Industries Inc.

Beloit, IL

- Ensured IT security by updating protocols and maintaining hardware, software, and network systems
- Implemented a point-of-sale system, reducing monthly business expenses

PROJECTS

Cryptocurrency Arbitrage Bot | *Python, Git, Vue.js, Heroku*

June 2022

- Developed an interactive application that retrieves cryptocurrency price data and displays profitable transactions based on the user's selected API
- Collaborated as a developer and product manager within a SCRUM team
- Utilized libraries such as Requests, NumPy, Pandas, and Networkx for data retrieval and computation

Social Communication Platform | *React, JavaScript, Node, Postgres, Git, Heroku*

May 2022

- Developed an interactive platform for admins to send alerts to users' phone numbers and accounts, enabling them to view and respond to messages
- Contributed as a full-stack developer in an Agile-based team and successfully deployed the platform for a customer with hundreds of users

Discord Data Analysis Bot | *Python, Git, Heroku*

Jan. 2021

- Scraped popular game League of Legends' statistics using BeautifulSoup, extracting relevant data for analysis
- Conducted data analysis using Pandas and NumPy to derive insights and patterns from the scraped data
- Published the bot to an active Discord server with over 100 members