ROHIT PENTA

+1 (732) 307-4083 | rpenta06@gmail.com | New York, NY, USA | linkedin.com/in/rohitp0 | github.com/rohitp30

EDUCATION

Rensselaer Polytechnic Institute   **August 2024 - May 2028**
Bachelor's, Computer Science
- Expected Graduation Date: May 2028
- Courses taken: Intro to CS, Data Structures, Computer Organization, Foundations of CS (Discrete Math).

PROFESSIONAL EXPERIENCE

Verizon Communications   **Wayne, NJ, USA**
Network Performance Engineer   *June 2025 - Present*
- As a Network Performance Engineer, I monitor, analyze, and optimize network infrastructure to ensure reliability, speed, and efficiency
- My responsibilities include troubleshooting performance issues, implementing network enhancements, and proactively identifying opportunities for improving overall service quality.

Rensselaer Polytechnic Institute   **Troy, NY, USA**
CSCI-1200 (Data Structures) Mentor   *December 2024 - Present*
- Responsible for assisting students in learning Data Structures and Algorithms taught in RPI's notoriously challenging CSCI 1200, which has a 53% dropout rate.

FIRST Robotics   **Skillman, NJ, USA**
Assistant Programmer Captain (FRC 1403)   *September 2021 - February 2024*
- Co-led 15 person programming sub-team on 150+ member robotics team. 2023 World Championship qualifiers and regional champions.
- Developed our team's match scouting app.
- Implemented AI in processing live match data for our Strategy sub-team.

MontyHacks   **Skillman, NJ, USA**
Community Outreach Specialist   *September 2022 - December 2022*
- Secured sponsorships at MontyHacks, $2000 secured in funding, bridging gaps between tech enthusiasts and corporations, fostering innovation and fun.

School Simplified   **Remote**
Director of Information Technology   *July 2021 - November 2022*
- Oversaw the development and maintenance of IT infrastructure for an educational organization.

School Simplified   **Remote**
Assistant Director of Technology   *May 2021 - July 2021*
- Assisted in the strategic planning and execution of technology initiatives to support educational programs.

School Simplified   **Remote**
IT Manager   *March 2021 - May 2021*
- Managed daily IT operations, including support services, network administration, and system upgrades.

CERTIFICATIONS

- Object-Oriented Programming in Python
- The Complete Guide to DevOps in Azure
- Artificial Intelligence Foundations: Logic, Learning, and Beyond

PROJECTS & OUTSIDE EXPERIENCE

Timmy   **Remote**
https://github.com/School-Simplified/Timmy-SchoolSimplified   *June 2021 - November 2022*
- Timmy is School Simplified's very own mascot and assistant! Timmy is a bot that features support for a ticket system, moderation & security, scheduling support, staff verification with SAML 2.0., and much more.
- Timmy efficiently and quickly connects tutor to student, eliminating scheduling conflicts and helping both parties be on time for a tutoring session!

Charlotte   **Remote**
https://github.com/rohitp30/Charlotte-RPIcordBot   *July 2024 - Present*
- Charlotte-RPIcordBot is a multipurpose Discord bot developed to enhance the user experience in the (RPI)cord '28 community
- The bot allows users to customize their role colors and names through interactive modals, streamlining personalization
- It includes a robust email verification system to confirm student status, ensuring secure access to specific features

Wumpus World Solver   **Troy, NY, USA**
https://github.com/RichardJSun/WumpusWorld   *November 2024 - December 2024*
- Created a logical program to solve any Wumpus World board.

SKILLS

Skills: Computer Networking, Flask, Java, AWS, Microsoft Azure, Excel/Numbers/Sheets, MailChimp, Git, Python, C++, MySQL, SQL, MongoDB, Operations Research
Languages: German, Telugu

INVOLVEMENT

Technology Advisor
Rensselaer Polytechnic Institute • HackRPI • September 2024 - Present

Selected Member
Rensselaer Polytechnic Institute • RPI Cybersecurity • September 2024- Present

Selected Member
Rensselaer Polytechnic Institute • Google Developer Groups (on Campus) • September 2024 - Present

Selected Member
Rensselaer Polytechnic Institute • Indian Student Association • September 2024 - Present