

# Vishal Kolla

Address: 17289 Crestbrook Dr. Northville MI, 48168

Phone Number: (248)-719-9126

Gmail: [vishal.b.kolla@gmail.com](mailto:vishal.b.kolla@gmail.com)

Github: <https://github.com/VishalKolla>

Portfolio: <https://vishalkolla.github.io/Portfolio/>

## SKILLS

Proficient in Java and Python  
Worked with C, C++, SQL,  
MongoDB, and other relational  
DB systems

## AWARDS

**National Merit Scholar:** Given to students who have a PSAT score in the top 1.25% to 3% of all juniors across the United States (My score: 1500/1520)

## COURSES

Problem Solving and  
Object-Oriented  
Programming  
Computer Architecture  
Data Structures  
Multivariate Calculus  
Linear Algebra  
Data Mining and Machine  
Learning  
Systems Programming  
Intro. Analysis of Algorithms  
Introduction to Cryptography  
Information Systems  
Intro. to Artificial Intelligence

## LANGUAGES

Primary language: English  
Secondary Language: Telugu  
Learning French as well

## Activities

Member of Purdue Hackers  
Member of SIGAI  
Rock climbing enthusiast

## EDUCATION

**Purdue University, CS Major (August 2019-May 2023)**

- Tracks in Machine Learning and Cybersecurity
- Minors in Business Management and Psychology
- Entrepreneurship Certificate.

## EXPERIENCE

**Oppfi, SRE Intern (June 2022 - Present)**

- Worked on maintaining infrastructure by utilizing terraform and terragrunt.
- Set up CI/CD pipelines for our drift detection setup.
- Worked on setting up Kubernetes for the company, and taught others on my team how to utilise it.
- Improved on the current platforming tool by handling errors and securely giving access to various users

**Dell RSA Division, Senior Analyst (January 2020-August 2021)**

- Worked with a team to take down various phishing and brand abuse attacks against major banking systems across the world
- Managed to become an advanced analyst after completing my qualification and worked against malware attacks
- Worked with and developed python scripts to automate many of the company's tasks which reduced many of our handled attack times to below 12 hours (industry bar)
- Became a shift manager where I handled giving out tasks to others in my team and oversaw the transfer of responsibilities to the next SMs
- Helped train 20 new interns on tasks and responsibilities

**TechMojo, SDE Internship (Summer 2018)**

- Shadowed and got training from a software developer
- Later, I worked on Amazon ROKA implementation through RESTful API web services in Java

**SIGAI, Team Leader (Winter 2020-Present)**

- Handled a group of 8 that worked on introductory python projects
- Taught new recruits the basics of Python/Machine Learning by using active demos and creating simple assignments
- Helped recruit new members to the club

## PROJECTS

**Stock Prediction Program:** Utilized LSTMs to forecast 30 days of stock prices for any stock inputted by training/validating on 5 years of the stock's previous data. In addition, I implemented a sentiment analysis aspect to the program where I take a specific stock ticker and find how the market generally views the stock using the Afinn API.

**Portfolio Website:** I created a website hosted by Github Pages and created in HTML to show off my experience, skills, and resume. This website's template was provided by HTML5 UP.

**Memory Game Program:** Simulated a memory game using Java with multiple levels of difficulty for players with different levels of expertise. The program was published and played over 12 times.

