

Vishal Kolla

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SKILLS

Proficient in Java, Python
Worked with C, C++, R, Lex,
SQL, and Yacc before

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
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
3x Varsity Swimmer and part of swim Leadership Group
3x Track and Field Varsity Hurdler

Certificates:

Working towards an AWS Solutions Architect

EDUCATION

Purdue University, West Lafayette — CS Major (August 2019–May 2023)

Aiming for a degree in CS with tracks in Machine Learning and Cybersecurity, along with a minor in Business Management and Psychology and an Entrepreneurship Certificate.

EXPERIENCE

Oppfi, Incoming SRE Intern

- Incoming SRE intern at Oppfi

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, SD 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.