Kartik Totlani

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SUMMARY

I specialize in cybersecurity, particularly in CTF/Security Analyst skills, public speaking, vulnerability assessment, and the effective use of cybersecurity tools. Additionally, I have expertise in designing and implementing scalable AWS cloud solutions and proficiently code in MATLAB, Python, Java, and R for data analysis. With a background in marketing, I excel in statistical analysis and event organization.

EDUCATION

PCET Pimpri Chinchwad College of Engineering   **Pune, India**
B. Tech: Information Technology   **Nov. 2022 – Present**
CGPA: 8.3 / 10

   DAV Public School, Pune, Maharashtra   **Pune, India**
   Class 12 (CBSE), PCM (Score – 92.8%)   2020 – 2022

   DAV Public School, Pune, Maharashtra   **Pune, India**
   Class 10 (CBSE), (Score – 96.8%)

EXPERIENCE

AWS Cloud Architect: AICTE Virtual Intern   **Remote**
                                                               Jan. 2024 - Present

- Designed and implement scalable and cost-effective cloud solutions using AWS services such as EC2, S3, Lambda, and RDS.
- Analyzed problems and worked to develop solutions.
- Conducted performance optimization and cost analysis to ensure efficient resource utilization and budget compliance.
- Successfully deployed website on cloud, showcasing the ability to apply theoretical knowledge to real-world scenarios and achieve tangible results.

CTF/Security Team Member : OWASP-PCCOE Student Chapter   **Pune, India**
                                                               Aug. 2023 - Present

- Organizing cybersecurity workshops and seminar for fellow students to enhance their skills and knowledge.
- Contributed to the development of cybersecurity challenges for club competitions and Capture the Flag (CTF) Events.
- Actively participate in weekly club meetings to discuss the latest cybersecurity trends, threats and   best practices.

CP executive: Google DSC PCCOE: **Pune, India**
                                                               Sep. 2023 - Present

- As the Competitive Programming Executive, my role involves organizing events to elevate the coding prowess of PCCoE students. Through workshops and competitions, we foster innovation and excellence in algorithmic problem-solving, empowering students to thrive in competitive programming.

JPMorgan Software Engineering Virtual Experience Program on Forage   **Remote**
                                                               Aug. 2023 – Sep. 2023

- Used Perspective data visualization software and Python to monitor stock price trends and create trading strategies.

PROJECTS

Legal Sentient:

- Created a Legal Chatbot by fine-tuning BERT as a transformer architecture
- Used SQuAD for finetuning the transformer
- Achieved a F1 score of 87%
- Able to process 302 tokens including question and abstract

Forecasting Daily Bike Rental Demand: using Time Series Models (Language used "R")

- Conducted in-depth data analysis and forecasting using R to predict daily bike rental demand.
- Cleaned and explored large datasets, calculated statistics, and visualized trends.
- Applied time series analysis, smoothing techniques, and ARIMA modelling to handle complex data.
- Generated forecasts and evaluated model performance.
- Skills associated - Data Analytics, Data Cleaning, Data Visualisation, Time Series Forecasting, Statistical Analysis

Student Analytics: (Language used "Python")

- It has user login and registration features. Used MySQL to manage the database with user login and information. Also developed additional feature of managing the registered details (database) in Ms Excel.
- It has capabilities to save details of students and give them analytics and progress reports of their exams and their curricular activities.

Certifications

Foundations of Cybersecurity by Google: https://coursera.org/share/0cc93f735afdcc7e5eae4f9c731fe149
Manage Security Risks: https://coursera.org/share/a1ea408f87ac3d2968ceb2457f9d9afc
Networks and Network Security: https://coursera.org/share/cf246f94110b29ad42d62bd6080261f4
Microsoft Learn AI Skills: https://drive.google.com/file/d/13cVDH2S1NWvnoHJ_PBu_YUwqFH3URKJK/view

Skills

Computing Languages: C, C++, Python, Java, R, Matlab, MySQL
Language: English, Hindi, Sanskrit, German, Sindhi, Marathi