

Liyon Natious

COMPUTER SCIENCE ENGINEER

Reading, United Kingdom

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About

Passionate and highly motivated computer science engineer with a strong aptitude for problem-solving and expertise in multiple programming languages. Actively seeking challenging opportunities to fuel personal growth and make a meaningful impact on projects. Committed to continuous learning, aiming to excel as an exceptional software engineer.

Education

Federal Institute of Science and Technology

BACHELOR'S DEGREE IN COMPUTER SCIENCE ENGINEERING

India

June 2018 – June 2022

- **Grade :** First-Class Honours
- **Thesis :** ALPRNet for detection and recognition of license plates.
- **Mini Project :** Video quality enhancement.

CKMNSS Senior Secondary School

XII CENTRAL BOARD OF SECONDARY EDUCATION

India

June 2017 – March 2018

- **Grade :** First-Class Honours
- **Major subject :** Computer Science.

Relevant Skills

Programming Python, C, Java

Web Django with Python, HTML, CSS, JavaScript

OS Windows, Linux

Database PostgreSQL, MySQL

Android Development Android Studio, Flutter

Version Control Git

Data Analysis Jupyter Notebook, Pandas, NumPy

Data Visualization Matplotlib, Excel

Basic Computer Skills Spreadsheets, MS Word, MS PowerPoint

Work Experience

Wentworth Club Ltd

KITCHEN PORTER

Virginia water, United Kingdom

July 2023 - Present

- Worked closely with a team of experienced chefs while learning new skills and developing my culinary background.
- Proven track record of successfully handling food preparation.
- Displaying sound knowledge of proper kitchen etiquette and protocols.
- Maintained a spotless and hygienic personal working station.
- Made significant contribution to successful and flawless execution of various events held at the Golf club.

Chegg India Pvt. Ltd

SUBJECT MATTER EXPERT IN COMPUTER SCIENCE

Remote

March 2022 - Present

- Assisted computer science undergraduates globally in resolving over 100 questions on diverse topics.
- Author solutions for advanced questions in Computer Science Engineering using Python, C, Java.
- Assess and ensure the quality of content, providing accurate and high-quality solutions, explanations, and guidance.
- Communicate effectively, both verbally and in writing, to convey complex ideas and technical information.

Quolabs

CYBER SECURITY & ETHICAL HACKING INTERNSHIP

Kerala , India

Sept 2021 - Sept 2021

- Completed a 15-day internship program focused on cyber security and ethical hacking.
- Conducted vulnerability assessments, penetration testing, and risk analysis.
- Familiar with tools such as Metasploit, Wireshark, and Kali Linux.
- Practices for developing and implementing effective security protocols, including encryption and firewalls.

Xplore IT Crop

ADVANCED CERTIFIED SECURE COMPUTER USER INTERNSHIP

Kerala, India

July 2019 - July 2019

- Completed a week-long internship program on advanced computer security and latest technologies.
- Engaged in workshops and training sessions on programming languages and tools.
- Gained skills in PyQT, PHP, Java Data Structure, Android, and Image Processing.

Projects

Video Quality Enhancement

- Implemented various techniques to enhance video quality using Python in Anaconda.
- Successfully reduced noise and improved video using machine learning models.

ALPRNet for Detection and Recognition of License Plates

- Implemented automatic license plate recognition network (ALPRNet) using Python in Google Colab.
- Extensively researched on different recognition and detection techniques to enhance expertise in the field.
- Successfully achieved desired output through the utilization of YOLOv5 and CNN model.

Personal Projects

PG Medical Entrance Prep-Notes Android Application

- Developed using Java in Android Studio.
- Successfully deployed the application in the play store. App link

Wallpaper Android Application

- Implemented using Flutter software development kit.
- Acquired proficiency in the basics of Flutter, including state management and widget creation.

Honors & Awards

2018 **Received subject topper award for Computer Science at CBSE XII level**

Certification

Data Analytics Essentials

Cisco

October 2023

- Proficient in data transformation, organization, and visualization using Excel.
- Skilled in querying relational databases with SQL.
- Competent in creating impactful data presentations with Tableau.
- Demonstrated expertise through analysis of a popular movies dataset.
- Excel, SQL, and Tableau proficiency showcased.

Google Cloud Big Data and Machine Learning Fundamentals

COURSERA

April 2023

- Proficient in understanding and implementing the data-to-AI lifecycle on Google Cloud, encompassing stages like data ingestion, processing, model training, deployment, and inference.
- Familiarity with major products for big data and machine learning on Google Cloud, including BigQuery, Dataflow, Pub/Sub, TensorFlow, and AutoML.

Introduction to Machine Learning

COURSERA

March 2022

- Familiarity with Convolutional Neural Networks (CNNs) and their application in computer vision tasks, such as image classification and object detection.
- Proficient in Python programming language, utilizing it for data manipulation, analysis, and implementing machine learning models.

Introduction to Cybersecurity

Cisco

April 2021

- Introductory knowledge of cybersecurity, including understanding the global implications of cyber threats on industries.
- Familiarity with the reasons behind the increasing demand for cybersecurity professionals in today's digital landscape.

Soft Skills

- Enthusiastic
- Self-motivated
- Team work and collaboration
- Analytical skills
- Statistical skills