

Amulya Parashar

Indian | amulyaparashar258@gmail.com | +91 83028 92110 | LinkedIn: [amulya-parashar](#) | GitHub: [KING-258](#) | Leetcode : [KING- 258](#)

SUMMARY

An efficient programmer with expertise in **C, Java, Python, HTML, CSS and JavaScript**. My Skill Set extends to **Data**

Structure and Algorithms (DSA), **Object Oriented Principles(OOPs)**, **Data Analytics, Machine Learning, Computer Vision, Big Data Architecture** and **Linux Bash Scripting**, showcasing exceptional coding capabilities. I also have background experience in DataBase Management and can effectively work with **MySQL or Oracle** as per requirement

EDUCATION

Manipal Institute of Technology Manipal, Karnataka B.Tech Computer Science AI&ML Expected Graduation, May 2026

- **Concentrations:** Data Analytics, Machine Learning & Computer Vision
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

Lighthouse InfoSystems

Java Developer INTERN

May 2025 – July 2025

Nagpur, Maharashtra

On-Site

- Implemented UI Changes for existing Java Frontend for ERP System. Added Manager and Inventory level changes.
- Contributed to the system's ability to handle errors in a better way and establish a chain of command for easy monitoring and maintenance .

Innovura Technologies Pvt. Ltd.

Machine Learning Intern

January 2026 – Current

Ahmedabad, Gujarat

On-Site

- Used Machine Learning and Computer Vision Techniques to implement real-world scalable AI Solutions.
- Implemented deep use of Natural-Language Processing along with Large Language Models to create independent agents for deployment.

PROJECTS

Translate and Transcribe App

NLP & Speech Processing

Developed an App using NLP and used ReactJS for frontend and Flask-CORS for backend.

- Translated English Text to Hindi using Hugging Face while fine tuning the Helsinki model to increase its efficiency to 92.03%
- Tokenizing Speech and fine tuning FaceBook's Wav2Vector to recognize and understand Indian Accents 78.85% accuracy.

Sentiment Analysis App using Big Data Techniques

Big Data Analytics and Machine Learning

Developed an App which analyzes the current sentiment and emotion across the Internet regarding a certain Topic using TextBlob.

- Web-Scraping Data from various APIs such as GDELT, NewsAPI and Wikipedia API.
- Created producer-consumer Kafka Pipeline for real time streaming of data alongside scraping and storing the data in HDFS.
- Analyzing the current sentiment using TextBlob and boosting its accuracy with XGBoost Algorithm from 75.37% to 89.65%.

SerpentX

Reinforced Learning and OpenCV

Gamification and modernization of the Nokia Classic Snake Game which has 3 Modes : Gesture-Based, Manual and Automated

- **Gesture Control for Rehab:** Helps individuals with motor coordination challenges by using OpenCV to translate gestures into in-game actions, aiding rehabilitation.
- **Adaptive Difficulty:** ML tracks player progress, adjusting speed and apple placement to match recovery levels.
- **AI-Powered Automation:** Reinforced Learning agent trained over 100k epochs is used for gameplay automation.

W.E.A.L.T.H

NLP, Sentiment Analysis, and Machine Learning Models

A stock price prediction app named W.E.A.L.T.H (Wise Economic Algorithm for Learning Trends and Hedging).

- Random Forest Model for price trend prediction, using both stock price and sentiment data and XGBoost for increasing accuracy while backpaper testing from 36.07% to 52.86%.
- BERT Sentiment Analysis for understanding financial news and social media sentiment, classifying it into positive, neutral, or negative categories to predict stock price behavior.
- Merging stock price data with sentiment scores and technical indicators to generate features for predictive models.
- Combining multiple machine learning models [Random Forests, SVM and K-Means Classifier] to improve prediction accuracy. Also used Ridge Regularisation to stop overfitting.

Certifications and Co- Curriculars

CyberSecurity and Ethical Hacking Workshop

Jaipur, Rajasthan

IIT Roorkee Workshop with Hands-on Projects and Certificate

Jan 2023 – Feb 2023

Rinex Artificial Intelligence Programme

Manipal, Karnataka

Hybrid Mode programme with Industry Mentors

2019 – July 2019

Big Data Analytics Course

Surathkal, Karnataka

Big Data Course presented by InfoSys Springboard

2024 – Oct 2024

Leetcode : 280+ Easy 520+ Medium 230+ Hard

Manipal, Karnataka

Leetcode Global Rank 20,563

SKILLS

Programming: C/C++, Java, Python, HTML, CSS, Javascript, ReactJS, SQL, Node, MATLAB, Github

Tools: Microsoft Office, PyCharm, IntelliJ, Eclipse, Jupyter, Linux, Git, Visual Studio, AWS, Docker