

# AYUSH KUMAR GIRI

## Software Engineer

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## SUMMARY

Dynamic nature personified by self disciplined, honesty and sincerity . Withhold ability to make an impact through positive attitude-specializing in deep learning (CNN/GRU/BERT) and end-to-end system prototyping. My experience includes backend development, database optimization, and machine learning model deployment. I am recognized for my problem-solving abilities, quick learning, and effective communication, aiming to make meaningful contributions wherever I work

## EXPERIENCE

### Software Engineer

#### JM Finance Services Ltd

01/2024 - 04/2024

A financial services company focusing on data-driven solutions

- Backend Development: Contributed to Blinkx platform development, designing scalable Spring Boot microservices and RESTful APIs.
- Model Development: Designed transformer-based models BERT for sentiment analysis, achieving 94% accuracy in financial text classification.
- Data Pipelines: Built end-to-end ML workflows for 10K daily reviews using Python, FastAPI, and PostgreSQL.
- NLP & Data Pipelines: Deployed transformer-based models BERT, FastAPI to automate review sentiment analysis, cutting manual processing time by 70%.
- Cross-functional Collaboration: Partnered with product teams to implement data-driven feature optimizations, boosting conversion by 18%.

## EDUCATION

### B.TECH Computer Engineering

#### Pillai College Of Engineering

09/2020 - 05/2024

Aggregate CGPA: 8.59

## PROJECTS

06/2021 - 10/2025

### SecureFish AI

Python, TensorFlow, FastAPI, CNN, GRU, LightGBM

- Engineered a deep learning-based phishing detection system achieving 94% accuracy by leveraging a hybrid CNN-GRU model for robust feature extraction from URLs.
- Developed and deployed a user-friendly web application using FastAPI, enabling real-time website authenticity checks for end users.

## ACHIEVEMENTS

### Achievements

- Ranked Top 10 among more than 200 teams in Deep Blue hackathon
- Achieved 3rd place in DSO Swimming
- Awarded with title of Master Holy Writ for overall excellence

## SKILLS

Python	Java	Machine Learning
Deep Learning	SpringBoot	
C/C++	JavaScript	Node.js
Express.js	PostgreSQL	NLP
Pandas	OpenCV	PyTorch
TensorFlow	Scikit-learn	Docker
RESTful API	Visual Studio Code	

## STRENGTHS

### Efficiency and Reliability

Efficient worker who consistently delivers high-quality results while meeting tight deadlines.

### Team Motivator

A motivating presence who excels at uplifting and empowering team members to achieve shared goals.

### Effective Communicator

Effective communicator who translates technical concepts for cross-functional teams, driving 30% faster project alignment

### Well Organized

Highly organized and deadline-driven engineer with proven ability to manage multiple technical projects while maintaining 100% on-time delivery

## Real-Time ASL Translator

Python, TensorFlow, OpenCV, CNN

- Designed and implemented a real-time sign language recognition system using a CNN model processed via live webcam feed, accurately classifying 26 alphabet gestures with 85% accuracy.
- Created an accessible learning platform that assists teachers and individuals with hearing/speaking disabilities, resulting in a 95% user satisfaction rate from feedback surveys.

## PACMAN GAME

Java, Applet

- Implemented a faithful Java-based replica of the classic Pac-Man arcade game, applying object-oriented design principles for modular and maintainable code.
- Developed intelligent pathfinding algorithms for ghost enemy and incorporated persistent local score tracking.

## Tourism Booking App

Android Studio, Java, Firebase, REST APIs

- Architected a full-stack Android application for booking flights, lodging, and rental cars, featuring real-time updates for schedules, gate changes, and weather alerts.
- Enhanced user experience through UI/UX optimization, reducing the average booking time by 30%.

## LANGUAGES

English

Proficient



Hindi

Native



Marathi

Proficient



## EXTRA CURRICULAR

### Sports Secretary

Pillai College of Engineering

2022

Organized sports events, managed teams, and promoted student engagement in sports and athletics

### Stage Anchor

Pillai College of Engineering

2022-24

Energetic anchor who commanded the stage, energized crowds, and ensured seamless flow for college fests and major cultural events.

Ex-Servicemen Association

2017-25

Dignified anchor for an ex-servicemen annual reunion. Facilitated the program with solemn respect and gratitude, honoring their service and fostering camaraderie.

## INTERESTS

Painting  
Debate  
Weight Lifting  
Swimming  
Football  
Music  
Reading