

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