

# ANDRUES K

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## SUMMARY

Dedicated Computer Science Engineering student focusing on Artificial Intelligence, Data Science, and Web Development who is results-driven. Experience using Python, SQL, and in full-stack development, with experience building projects that solve real-world problems. Looking to leverage my analytical, problem-solving, and programming skills while continuing to learn and add value to an organization in the role of software development.

## INTERNSHIPS

### Python Intern - Hashind Robotics Aug 2024 - Sep 2024

- Gained hands-on experience in Python fundamentals and applied them to real-world applications.
- Built utility tools including a barcode generator and QR code generator.
- Developed larger projects such as a Banking System and Online Exam Application using Tkinter, strengthening GUI development skills.
- Improved problem-solving ability and practical application of core programming concepts.

### Web Design Intern - Hashind Robotics Jul 2024 - Aug 2024

- Designed and developed a personal portfolio website with advanced CSS for enhanced visual appeal.
- Created a Weather Forecasting Application using JavaScript, integrating real-time data.
- Built a fully functional e-commerce website using HTML, CSS, and JavaScript, demonstrating strong front-end design and interactivity.
- Strengthened expertise in responsive design, UI/UX concepts, and web functionality.

## EDUCATION

### Bachelor of Computer Science and Engineering

2021 - 2025

SSM Institute of Engineering and Technology

CGPA: 7.36

## TECHNICAL SKILLS

### Programming Languages

- C
- C++
- Python

### Data Science

- Data mining
- Data visualization
- Data Evaluation

### Databases

- MySQL

### Artificial Intelligence

- NLP
- Machine Learning
- Deep Learning

## CERTIFICATIONS

- Advanced Diploma in Computer Programming
- Master Diploma in Artificial Intelligence and Data Science

## PROJECTS

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### Retail Radar

- Built a Streamlit-based web application for real-time competitor price monitoring, market analysis, and dynamic pricing recommendations.
- Automated data collection via web scraping and applied forecasting models to identify pricing trends and optimize strategies.
- Designed an interactive dashboard (pandas, Matplotlib, Streamlit) to visualize insights for retailers and e-commerce businesses.

### X-Ray Disease Diagnosis System

- Built a deep learning model using Python, TensorFlow, and Keras to classify chest X-ray images for disease detection.
- Applied data preprocessing, feature extraction, and CNN architectures, achieving 90%+ classification accuracy.
- Demonstrated ability to handle large medical datasets and deliver data-driven solutions for healthcare analytics.

### AI Video Subtitle & Dubbing System

- Built a Python-based application that automatically generates subtitles from video using Whisper and translates them into multiple languages.
- Integrated AI voice synthesis to produce natural voiceovers matching the chosen subtitle language, with options to export MP3 or embed audio and subtitles directly into the video.
- Applied FFmpeg automation for seamless video editing, enabling multi-language accessibility and enhanced user experience for content creators.