

# M.Arun Kumar

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## Professional Summary

Versatile Software Developer with hands-on experience in backend and full-stack development using Python (Flask, Django) and SQL. Proficient in Data Structures and Algorithms (DSA) with a strong problem-solving mindset, enabling efficient code design and system logic. Skilled in system optimization, database design, and automation.

## Education

### M.Sc. Artificial Intelligence & Data Science

Takshashila University

2022 – 2024

CGPA: 9.19

### B.Sc. Physics

E.S. Arts & Science College

2019 – 2022

CGPA: 7.6

## Projects

### Smart Healthcare System (WebApp)

Jun 2024

*GitHub:* [github.com/Aruncodings/smart\\_healthcare\\_system](https://github.com/Aruncodings/smart_healthcare_system)

- Developed a supervised learning model using Scikit-learn to classify diabetes risk with 85% accuracy.
- Designed a lightweight Flask backend integrated with SQLite to handle patient inputs and prediction outputs efficiently.
- Improved response to prediction workflow by 20% through optimized data handling and model integration.

### Image-to-OCR Voice Toolkit

Apr 2023

*GitHub:* [github.com/Aruncodings/ocr\\_toolkit](https://github.com/Aruncodings/ocr_toolkit)

- Built an accessible desktop toolkit using Python, integrating Tesseract OCR, Tkinter, and voice output for the visually impaired.
- Streamlined image-to-text conversion and speech feedback, enabling hands-free interaction. Enhanced GUI design for clarity and ease of use, reducing manual input time by 40%.

## Experience

### Backend Python Developer Intern, Uniq Technologies, Chennai, India

Dec 2024 – Present

- Built and deployed RESTful APIs using Django and Flask, enhancing backend performance and scalability.
- Automated data processing tasks using Python and optimized SQL queries, reducing response time by 30%.
- Collaborated with frontend teams to integrate APIs and streamline full-stack application development.

### Python Developer Intern, ABI Tech Solutions, Chennai, India

Apr 2024 – Jul 2024

- Assisted in software testing and debugging, ensuring application functionality and reporting defects to the development team.
- Gained hands-on experience in Python web development environments, observing and adapting to professional workflows.

## Technologies

**Web Development:** HTML, CSS, JavaScript

**Backend Technologies:** Python (Flask, Django)

**Database Management:** MySQL, SQLite, MongoDB

**Development Tools:** VS Code, Git, GitHub, Postman, ChatGPT

**Design & UI Tools:** Figma, Adobe Photoshop, Adobe Illustrator

**Soft Skills:** Problem Solving, Team Collaboration, Adaptability, Rapid Learning

**Languages:** Tamil, English