

# SONIYA BASAVARAJ

Full Stack Developer | Python Programmer | AI/ML Developer



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## PROFESSIONAL SUMMARY

Computer Science and Engineering graduate with hands-on experience in software development, AI/ML, and data analytics through academic projects and internships. Proficient in Python, JavaScript, SQL, Flask, and React. Skilled in building scalable solutions, integrating databases, and creating user-friendly interfaces. Passionate about problem-solving and continuously improving technical expertise.

## EDUCATION

**Bachelor of Engineering in Computer Science & Engineering, MMCT, Visvesvaraya Technological University – Mangalore**  
**CGPA: 8.06**  
2021-2025

## INTERNSHIP

- AI/ML & Data Analytics Intern, Zephyr Technologies & Solutions Pvt. Ltd. Mangalore**
- Built Power BI dashboards and Excel reports for performance visualization.
  - Applied ML models for Fake News Detection and Student Performance analysis.
  - Executed SQL assignments using JOINS, GROUP BY, and filtering operations.
- Full Stack Development Intern, Thanya Technology**
- Developed full-stack web applications with frontend and backend integration
  - Gained basic React exposure and improved front-end logic using JavaScript.
  - Built projects with HTML, CSS and JavaScript
  - Received certification in full-stack development

## LANGUAGES

English  
Kannada  
Hindi

## SKILLS

- Programming**  
Python, JavaScript, SQL, HTML, CSS, PHP
- Languages**  
Python, C/C++, JavaScript, PHP, SQL
- Frameworks/Tools**  
Flask, React.js, MySQL, Power BI, Swagger, Postman
- Libraries**  
NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
- Other**  
Git/GitHub, UI/UX Design, Excel
- Core Competencies**  
Problem Solving, Data Structures & Algorithms, API Development, Database Design, Data Visualization

## CERTIFICATES

- Internship completion in AI/ML & Big Data - Zephyr Technologies
- Machine Learning with Python – Coursera
- Self-learned UI/UX & JavaScript Basics through YouTube
- Final Year Seminar on “Adversarial Machine Learning” (VTU Technical Seminar 2025)

## PROJECTS

- Real-Time Movie Ticket Booking System, PHP, MySQL, HTML, CSS**
- Developed complete booking system with seat selection, payment integration & admin panel to manage users, bookings.
- Multiple Disease Prediction System, Flask, Python, SVM/Logistic Regression**
- Built ML models to predict Diabetes, Heart Disease, and Parkinson's with 93%+ accuracy.
  - Developed responsive Flask UI using Jinja templates and CSS.
- Scalable Task Scheduler API, Flask, MySQL, Swagger**
- Built REST APIs using Flask for priority-based task management using Max-Heap logic.
  - Documented endpoints via Swagger; integrated MySQL for persistent storage.
- Food Recommendation System, Python, Flask, TF-IDF, Pandas**
- Built a content-based food recommendation engine using cosine similarity on a real-world recipe dataset to suggest top meals based on user preferences.
  - Designed and deployed a Flask-based user interface for real-time interaction and personalized recommendations.