

# Prajwal A Bhandagi

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## Career Objective

A passionate engineering student with strong interest in software development, problem-solving, and continuous learning. Seeking opportunities to grow in a professional environment.

## Education

- BE**    **JSS ACADEMY OF TECHNICAL EDUCATION**, Computer Science in Artificial Intelligence and MACHINE LEARNING    2022 – 2026
- Current GPA: 8.6/10.0
  - **Coursework:** Discrete Mathematics, Analysis and Design of Algorithm, Machine Learning, Computer Networks, Data Structures, Artificial Intelligence.
- PUC**    **Sri Chaitanya PU College, Nagarbhavi**, 11th-12th    2021– 2022
- 12th : 85/100

## Technologies

**Languages:** C, Java, Python, Flask-Framework, SQL, JavaScript, HTML

**Technologies:** Flask, Django, SQLite, Git, VS Code, IntelliJ IDEA

## Experience

- GeeksforGeeks Hackathon – JSS4SoC'24**    JSSATE Bengaluru  
March 2024
- Participated in a brainstorming-based hackathon conducted by JSSATE Bengaluru
  - Collaborated with a team to conceptualize and plan a web-based project
  - Gained first hands-on hackathon experience focused on ideation and teamwork
- CodeCarnage 24-Hour Hackathon**    SJBIT, Bengaluru  
April 2024
- Built an AI-integrated educational website in 24 hours based on an on-the-spot problem statement
  - Aimed to enhance student-teacher interaction and access to learning resources
  - Developed strong skills in real-time collaboration and problem-solving under pressure

## Certificates

### Python & Flask Bootcamp

- Comprehensive training in Python programming and Flask web development
- Issued by Udemy

### JavaScript

- Mastered JavaScript fundamentals and advanced concepts
- Issued by Udemy

### Introduction to Generative AI

- Explored principles and applications of generative artificial intelligence

- Issued by Coursera

### **Machine Learning with Python**

- Developed skills in implementing machine learning algorithms using Python
- Issued by freeCodeCamp

## **Projects**

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### **Precision Agriculture Using Machine Learning**

- Developed a machine learning-based precision agriculture system to optimize resource usage, predict crop yields, and enhance crop health monitoring through advanced data analysis.
- Tools Used: Python, Random Forest, Convolutional Neural Networks (CNNs), SciKit-Learn, MySQL, Flask.

### **ATC Resume Builder**

[github.com](#) 

- Developed a web-based resume builder with user authentication, PDF generation, and AI-powered resume analysis using Flask and Gemini API.
- Tools Used: Python, Flask, SQLite, pdfkit, Google Gemini API, Matplotlib, HTML/CSS.

### **Digital Business Card**

[github.com](#) 

- Built a web application for creating and sharing digital business cards with QR code generation, user authentication, and profile management using Flask and SQLite.
- Tools Used: Python, Flask, SQLAlchemy, SQLite, QRCode, Pillow, HTML/CSS.

### **Machine Learning and AI Projects from FreeCodeCamp**

[github.com](#) 

- Developed a book recommendation system using KNN-based collaborative filtering to suggest books from the Book-Crossings dataset.
- Built a cat-dog image classifier using a CNN with TensorFlow, achieving over 63% test accuracy with data augmentation.
- Created a healthcare expense prediction model using linear regression, achieving a mean absolute error under \$3500.
- Designed a strategic Rock Paper Scissors AI player to counter opponent patterns in a game challenge.
- Tools Used: Python, Pandas, Scikit-learn, TensorFlow, Keras, Matplotlib, NumPy.

### **Stock Market Price Tracker**

[github.com](#) 

- Developed a web application to fetch and display real-time stock prices using the Yahoo Finance API, integrated with a Flask backend and responsive frontend.
- Tools Used: Python, Flask, yfinance, HTML/CSS, JavaScript.