

# MANJUNATH KOTABAGI

## STUDENT

### CONTACT

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### EDUCATION

Visvesvaraya Technological University (VTU),  
Belagavi  
Bachelor of Technology (B.Tech) in Computer  
Science and Business Systems (CSBS)  
2022 – 2026 | CGPA: 8.67

### SKILLS

#### Technical Skills

- Programming Languages: Python, C, C++
- Data Structures & Algorithms (DSA)
- Artificial Intelligence & Machine Learning (AI & ML - Basics)
- Database Management: MySQL
- Version Control: Git, GitHub
- Web Development: HTML, CSS, JavaScript
- Python Libraries: NumPy, Pandas, Matplotlib, Seaborn, OpenCV, LangChain
- Problem-Solving & Debugging

#### Soft Skills

- Communication & Teamwork, Leadership, Time Management, Critical Thinking

### LANGUAGES

- English
- Kannada
- Hindi



### PROFILE SUMMARY

Passionate CSBS student at VTU exploring Generative AI by building unique projects and learning to apply advanced models. Skilled in Python, C, and C++ with a strong foundation in DSA, OOP, and MySQL. Experienced in front-end development with HTML, CSS, and JavaScript. Quick learner with strong problem-solving and collaboration skills



### PROJECTS

#### Waste Classification Using Machine Learning

- Built a CNN in Python to classify waste (recyclable/organic) using a Kaggle dataset with TensorFlow, NumPy, and Pandas.

#### Linear Regression for Energy Consumption Prediction

- Built a linear regression model in Python to analyze temperature's impact on energy consumption using Pandas, NumPy, and Scikit-Learn.

#### Law & Crime Assistant - Built with LangChain, Cohere, Serper API

- Answer questions about **Indian Penal Code (IPC)** sections
- Provide recent **news updates on crime cases**

#### Website Summarizer

- Scraped website content using BeautifulSoup
- Summarized with OpenAI API (gpt-4o-mini) and added Hindi translation



### CERTIFICATIONS & ACHIEVEMENTS

#### **The Joy of Computing Using Python - NPTEL, IIT Madras (Jul-Oct 2023):-**

Completed a 12-week course with a 88% score, ranking among the top 5% of learners.

[view certificate](#) »

#### **Code Prahari, Samveekshana 2025 (March 2025)**

Competed in a national-level coding competition at SGBIT, showcasing skills in MCQs, debugging, and coding challenges, and secured 3rd place.

[view post](#) »

#### **Website Development - Yukti 2K25 National-Level Fest**

Contributed to the design and development of the official website for Yukti 2K25, implementing interactive features and optimizing performance for a seamless user experience.