

# AVVARI VENKATESH

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## Professional Summary

Innovative and driven Computer Science Engineering student with a strong foundation in Data Structures, Algorithms, and Object-Oriented Programming. Proficient in designing and building scalable, distributed systems using Java, Python, and cloud platforms. Experienced in creating solutions that enhance user experience and solve real-world problems. Passionate about working on large-scale systems, supply chain optimization, and retail system architectures. Actively seeking an SDE-1 position at Amazon to contribute to cutting-edge technologies and customer-centric solutions.

## Education

### Adichunchanagiri Institute of Technology

Bachelor of Engineering- Computer Science and Engineering; **CGPA: 8.89**

**Dec. 2021 – Mar. 2025**

Karnataka, India

### Sri BGS PU College

PUC in Science(PCMC) ; Percentage: 92.16

**June. 2019 – Jun. 2021**

Hassan, Karnataka, India

### Mount Ford Assn High School

S.S.L.C ; Percentage: 89.12

**April. 2018 – April. 2019**

Belur, Karnataka, India

## Technical Skills

**Programming Languages:** Java, Python

**Frameworks and Tools:** Flask, OpenCV, Power BI, Tableau, VS Code

**Frontend Skills:** HTML, CSS, JS, BOOTSTRAP

**Database:** MySQL, SQL Query, Data Extraction, Database Design Techniques

**Cloud Platforms:** Amazon Web Services (AWS)[Basics]

**Distributed Systems:** Scalable Storage, Indexing, and Query Processing

**Machine Learning:** Artificial Neural Networks (ReLU, Softmax), NLP, Cosine Similarity Algorithm

**Software Development:** Agile Methodologies, Debugging, and Testing **CS Fundamentals:** Data Structures, Algorithms, Object-Oriented Programming, Operating Systems, DBMS

**Soft Skills:** Communication, Logical Reasoning, Public Speaking, Teamwork, Analytical and Problem-Solving Skills

## Certifications and Achievements

### Certifications

Remote

Recognized for my extensive knowledge and expertise.

- Postman API Fundamentals Student Expert Badge by Postman[[link](#)]
- Fundamentals of Digital Marketing by Google[[link](#)]
- Philanthropy activity of IEEE India Philanthropy by IEEE [[link](#)]
- IBM Cloud Certificate [[link](#)]
- Data Visualisation by TATA.
- Python Essentials by Simplilearn | SkillUp
- Full Stack Web Development by e-Swara Technologies

## Projects

### Job and Learning Resource Recommendation System | Flask, Python, NLP, Artificial Neural Networks (ANN) [[Link](#)]

- Implemented a process for recommending jobs and learning resources using NLP and ANN.
- Applied tokenization, TF-IDF for feature extraction, and skill matching using Cosine Similarity.
- Built an ANN model with ReLU and Softmax activation functions to enhance recommendation accuracy.

### Excess Food Web App | HTML, CSS, PHP, Javascript, MySQL

[[Link](#)]

- Designed a platform to reduce food waste by connecting donors with surplus food to individuals in need.
- Enabled real-time listing, claiming, and donations of excess food, contributing to sustainability and logistics management.

### Image Cartoonizer Web App | Flask, OpenCV, Python

[[Link](#)]

- Built a web application to transform images into cartoon-like visuals using Flask and OpenCV.
- Implemented advanced image processing techniques for seamless cartoonization with real-time processing.
- Integrated features such as easy image upload and direct download to enhance user experience.

## Position of Responsibility

### IEEE - Philanthropy Activities

IEEE Member

- Contributed 70+ hours to upskill government schoolteachers and enhance education quality in rural schools of Chikmagalur district.
- Actively participated in planning and executing fieldwork to improve digital literacy among students.