

# VAKACHARLA UDAY KUMAR

✉ udaykumarvakacharla@gmail.com |  LinkedIn |  GitHub | ☎ 7386950788

## Profile

---

Being a Computer Science and Engineering student with more passionate and eager to know, grow and learn through working on systems, data analysis and software development at hand. This strong background in programming, machine learning, and software development, complemented by proactive experience, can position me in creative solutions, and meaningful contributions for any given project. The work will involve leading the finest professionals in industries who have built technological wonders into this field.

## Education

---

### SASTRA Deemed to be University

Oct 2022 – May 2026

*B.Tech in Computer Science and Engineering*

*CGPA: 9.63 / 10*

### Sri Chaitanya College

2020 – 2022

*Intermediate (MPC)*

*Percentage: 97.6%*

## Experience

---

### PWC (Price Waterhouse Coopers)

Feb 2025 – Present

*Data Engineer Trainee*

- Designed and implemented data pipelines using Python and SQL, improving efficiency by 20%.
- Maintained relational databases, reducing data retrieval time by 15%.
- Automated data warehousing, decreasing manual effort by 30%.

### AICTE Virtual Internship (Edunet Foundation & IBM SkillsBuild)

Mar 2025 – Apr 2025

*Tech Intern – Web Projects*

- Internship program focused on technology skills development.
- Worked on full-stack web development using the MERN stack.
- Built a complete e-commerce application.
- Gained hands-on experience in developing responsive UIs, REST APIs, and integrating frontend with backend systems.

## Projects

---

### The Outfit Hub (MERN Stack)

 GitHub

- Developed full-stack e-commerce app with shopping cart and order management.
- Created REST APIs for product handling and user authentication.
- Used MongoDB for storage, React.js for frontend, Node.js for backend.

### Quiz Master – Interactive Quiz Platform (Django Web App)

 GitHub

- Educational platform that is interactive in nature and built to support learning through quizzes.
- Developed an interactive quiz for students with functionality such as text-to-speech support for visually impaired users.
- Added real-time score tracking, timed tests, and teacher and student dashboards.

### Soyabean Seed Classification (Machine Learning)

 GitHub

- Built classification models using SVM, KNN, XGBoost, and CatBoost.
- Extracted image features like shape, texture, color, GLCM, and HOG.
- Improved accuracy using stacking and hyperparameter tuning.

## Skills

---

### Technical Skills

- **Frontend:** HTML, CSS, JavaScript, React
- **Backend:** Node, Express, Django
- **Databases:** SQLite, MongoDB
- **Programming:** Python, Java, C++
- **Machine Learning:** Classification and Regression Techniques
- **Concepts:** REST APIs, DS & Algorithms, DBMS, Networks
- **Tools:** Git, GitHub, VS Code, Postman, Jupyter Notebook

### Non-Technical Skills

Time Management — Problem Solving — Communication — Teamwork & Collaboration — Leadership

## Certifications

---

- **Machine Learning Specialization** – Stanford University (Coursera)
- **Web Development Certification** – Infosys Springboard
- **SQL and Relational Databases** – Cognitive Class