

SHASHANK

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SUMMARY

A motivated Electronics and Communication Engineering student with a balanced skill set in both software and hardware. Experienced in web development and programming with JavaScript, Python, and C/C++. Possess strong knowledge in electronics, including MATLAB, VLSI layout design, IoT, microcontrollers, and embedded systems. Actively seeking software development roles where I can apply my multidisciplinary expertise and grow as a professional.

WORK EXPERIENCE

Intern - Alar – Uttar Kannada, India

July 2023 - August 2023

Data Analytics and LLMs, Embedded Systems and IoT

- Collaborated on a team to create a Proof of Concept (POC) integrating data analytics and LLMs for enhanced solution development, receiving positive feedback for future implementation strategies.
- Integrated Python models into native C++ applications using OpenCV DNN for real-time processing in embedded systems and IoT contexts.
- Developed multiple Python scripts to automate and optimize computer vision tasks and data analytics workflows.

Intern - Golden Bird Education (Remote)

Feb 2020 - Jan 2021

Skills Development and Education

- Contributed to the "Skills2Success" program, focused on empowering students with tech and non-tech skills.
 - Assisted in delivering professional-level education, including Python, AI, and web development.
 - Engaged in hands-on projects and participated in industry networking opportunities.
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EDUCATION

Electronics And Communication Engineering

Dec 2021- April 2025

Visvesvaraya Technological University

PROJECTS

Face Expression Detection

July 2023 - August 2023

- Developed a real-time expression detection system using Python and OpenCV to classify human emotions.
- Achieved 95% accuracy in identifying emotions like happiness, sadness, and anger.
- Technologies Used: Python, OpenCV, Machine Learning, Computer Vision.

SMS/Email Spam Detection

June 2024 - July 2023

- Built a machine learning model to detect spam messages using a Kaggle dataset.
- Tools Used: Python, Kaggle, Streamlit.
- Applied data preprocessing techniques like tokenization, stopword removal, and TF-IDF vectorization.
- Trained models including Naive Bayes, Logistic Regression, and Support Vector Machines.

Hotel Room Booking Management System

June 2024 - July 2023

- Designed a hotel room management system using SQL and XAMPP.
- Created a relational database schema for managing reservations, customer details, and billing.
- Implemented SQL queries for efficient CRUD operations and built a user-friendly interface.

SKILLS

- **Programming Languages:** Python, Java, C++, JavaScript, PHP, Embedded C
- **Web Technologies:** HTML, CSS, React JS, Bootstrap
- **Databases:** MySQL
- **Tools & Platforms:** Pandas, NumPy, MatLab, Microwind
- **Soft Skills:** Communication, Leadership
- **Languages:** English, Hindi, Kannada