Ashwin sharma

sharmaashwin880@gmail.com |+91 9306432399| linkedin.com/ashwinsharma | Github.com/ashwinsharma-git

SUMMARY

Passionate **Electronics and Communication Engineering** student with expertise in **Python, Java**, **Data Analytics, IoT** and **AI/ML**, Experienced in **embedded systems, image recognition**, and **automation**. Adept at solving complex problems and implementing innovative tech solutions. Seeking an opportunity to apply my analytical, programming, and engineering skills.

EDUCATION

Avanthi Institute of Engineering and Technology
Bachelor of Technology (B.Tech) in Electronics & Communication Engineering
CGPA: 7.28 (Ongoing) | **Expected Graduation: July 2026**

Yuva Defence Junior Collage
Board of Intermediate Education (12th)
Percentage: 69.0% | **Year of Completion: 2022**

Om Bharathi Vidyalaya School
Board of Secondary Education (10th)
CGPA: 10.0 (Equivalent to 95%) | **Year of Completion: 2020**

PROJECTS

Jarvis - AI-Powered Virtual Assistant| *Github Link*

- Built an **AI-based voice assistant** using Python, NLP, and automation.
- Integrated **speech recognition, web search, messaging, and music playback.**
- Automated **news updates, weather forecasts,** and **system monitoring.**
- Utilized Google **APIs,** and **OpenWeatherMap** for smart responses.

Student Performance Predictor & Analyzer| *Github Link*

- Developed a **machine learning** model to predict student performance using **real-world data.**
- Applied **data preprocessing** and feature selection using **Scikit-learn, Pandas**, and **NumPy.**
- Designed **interactive dashboards** in **Power BI** to visualize academic trends.
- Improved model accuracy through evaluation **metrics** and **hyperparameter tuning.**

Customer Churn Prediction & Analysis | *Github Link*

- **Analyzed customer churn patterns** using **Python** and **Power BI** for data-driven insights.
- Developed **predictive machine learning models** to forecast customer attrition.
- Created **interactive Power BI dashboards** to **visualize churn trends and key metrics.**
- Performed **data preprocessing** and **exploratory analysis** to uncover retention factors.

TECHNICAL SKILLS

- **Programming Languages**: Python, SQL, Java
- **Databases:** MySQL
- **Data Analytics & Visualization:** Power BI, Excel, Matplotlib, Seaborn
- **Machine Learning & Data Science:** Scikit-learn, Pandas, NumPy, Data Cleaning, Predictive Modeling
- **Version Control & Tools:** Git, GitHub
- **Soft Skills:** Problem-Solving, Analytical Thinking, Data Interpretation, Team Collaboration

Research &Independent Study – Internet of Things (IoT)

- Explored IoT architecture, communication protocols (MQTT, CoAP), and security challenges.
- Studied sensor networks, embedded systems, and cloud integration for smart applications.
- Researched IoT applications in smart cities, healthcare, and industrial automation.