

# ALLAM POORNESH

✉ 2200049139ece@gmail.com

☎ +91-9949399834

📁 Poornesh Allam

🐙 Poornesh-git

---

## Career Objective

Motivated and technically sound aspiring software engineer seeking a challenging role to apply strong skills in Java, Python, C, SQL, and cloud-based development, combined with hands-on experience in scalable application design, data analysis, and machine learning, driven by a passion for solving real-world problems through innovation, adaptability, and continuous learning.

## Education

---

### B.Tech, Electronics and Communication Engineering (Data Science and Big Data Analytics)

KL University (2023–2026)

Percentage: 88%

### Diploma in Electronics and Communication Engineering

Audisankara College of Engineering and Technology (2020–2023)

Percentage: 87%

## Technical Skills

- 
- |  |  |
|--|--|
| • <b>Programming Languages:</b> Java, Python, C, JavaScript                                    | • <b>Cloud Platforms:</b> Microsoft Azure  |
| • <b>Web Technologies:</b> HTML5, CSS3, JavaScript   | • <b>Data Science &amp; ML:</b> Data Analysis, Predictive Analytics, Machine Learning, Deep Learning |
| • <b>Java Full Stack (JFSD):</b> Spring Boot, REST APIs, JPA/Hibernate, JDBC, MVC Architecture | • <b>Tools &amp; Platforms:</b> VS Code, Git/GitHub, Google Colab, Power BI, Tableau                 |
| • <b>Databases:</b> MySQL, PostgreSQL, Oracle  |  |

## Projects

- 
- **Expense Sharing Backend System (Splitwise-like Application)**
    - Designed and implemented a RESTful backend using Python (Flask) and MySQL to manage users, groups, shared expenses, and settlements.
    - Built flexible expense-splitting logic supporting equal, exact, and percentage-based splits with real-time balance tracking.
    - Implemented balance simplification and settlement mechanisms to minimize debt chains and ensure transaction consistency.
  - **Inventory Management with Demand Forecasting (Data Science)**
    - Built a cloud-integrated inventory system using Python, Azure SQL, and Power BI.
    - Applied ARIMA and LSTM models for demand forecasting and stock optimization.
    - Automated data ingestion pipelines using Azure Data Factory and visualized insights via dashboards.
  - **Human Activity Recognition Using Transformers (Python – ML/DL)**
    - Implemented Human Activity Recognition models using Vision Transformer (ViT) and STAR Transformer architectures.
    - Trained and evaluated models on datasets including HOJ3D and NTU120.
    - Focused on attention-based learning, skeletal-feature modeling, and performance optimization.

## Internship

- 
- **Tessolve Semiconductor Pvt. Ltd.** *May 2024 – June 2024*  
Internship on Artificial Intelligence and Machine Learning  
*Conducted at KL University in collaboration with Tessolve.*  
Gained hands-on experience in SVMs, Regression, and Clustering techniques using various ML frameworks and Python libraries.

## Certifications

- 
- Salesforce AI Associate — *Cert ID: 5115055*
  - Microsoft Azure Fundamentals (AZ-900) — *Credential ID: E1A14EC1161FB646*
  - Wipro TalentNext – Java Full Stack Development (*Credential: TNext\_SE\_25\_J\_250892821*)
  - AI & ML using Python (Level 1 & 2) — Tessolve & Taras Systems

## Achievements

- 
- Selected for Technical Trainee position at AmarRaja Industries post-Diploma.
  - Selected for Wipro's Work Integrated Learning Program (WILP).
  - Secured Internship and Pre-Placement Offer (PPO) from Blue Star.