

ALLAM POORNESH

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 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

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

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.