

# Arun Kumar A B

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## EDUCATION

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M.Tech Integrated in Software Technology, VIT	CGPA: 8.57	2019 - 2024
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## SKILLS

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Languages and Frameworks:	Python, MySQL, ReactJs, .Net Core, NodeJs, Java, C++, Docker
Tools:	VS Code, NetBeans, Git, PostgreSQL, Mobaxterm
Problem Solving:	Solved <b>300+</b> problems on <a href="#">Leetcode</a>

## EXPERIENCE

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**TCS - Systems Engineer** ReactJs, .Net Core, Machine Learning

**November 2024 - Present**

- Built a **full-stack** application and developed **AI and ML** models, including Mobile Price Prediction and Exploratory Data Analysis (EDA) for data insights.
- Implemented a **K-Means clustering algorithm from scratch** to analyze and group data points, demonstrating strong understanding of machine learning fundamentals and algorithmic optimization.

**Nokia Networks - Student Trainee** C++, Python

**November 2023 - June 2024**

- Developed functions for **decoding and encoding** messages in 5G-SA mode within a framework to facilitate transmission and reception via the **XN interface** in the **5G** architecture.
- Leveraged **socket programming** to establish communication sockets and crafted test suites to simulate specific scenarios like XN Setup and XN handover, ensuring robust message handling.

**TPF - Intern** Java, Swing, PostgreSQL

**June 2022 - July 2022**

- Designed and developed an extensive asset management system, tracking the lifecycle and status of over **300** company assets.
- Contributed system flow diagrams to **enhance deployment** and development processes. Led the design and implementation of backend logic for updating asset status.

## PROJECTS

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**GoldNest** SQL, ReactJs, .Net Core, SMSS

**Feb 2025 - March 2025**

- Developed a Loan Management System for pawnbrokers, enabling efficient customer, loan, and item management.
- Designed role-based dashboards with **Admin** and **User** access, allowing admins to view analytics (e.g., total loans, interest earned) while restricting users to loan creation and search functionalities.
- Integrated advanced **filtering and reporting features**, enabling loan filtering by date range, status, and customer details for better decision-making.

## ACHIEVEMENTS

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- **2nd place** in reverse coding competition, demonstrating adept problem-solving under time constraints.
  - **31st place** in Nokia Code Rally, excelling in competitive coding among 480 participants.