

# KISHORE PRASHANTH

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## Education

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### Arizona State University

*Master of Science in Information Technology*

August 2023 – May 2025

Tempe, Arizona

### Visvesvaraya Technological University

*Bachelor of Engineering in Computer Science and Engineering*

August 2017 – May 2021

Bengaluru, India

## Technical Skills

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**Languages:** Python, Java, C, C++, JavaScript, Typescript, MySQL, PL/SQL, MSSQL, MongoDB, NoSQL

**Developer Tools:** React, Flask, Next.js, Angular.js, D3.js, HTML5, CSS, Tailwind, Firebase

**Technologies/Frameworks:** Linux, Bash, Distributed Systems, Git, GitHub, Docker, AWS, Tableau, Apache Spark, Kubernetes, Maven

## Experience

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### NTT Data

August 2021 – May 2022

*Information Technology Senior Associate*

Bengaluru, India

- Built a full-stack user management system with **CLI** and **GUI** in **Java** and **MySQL**, implementing **RBAC** and validating functionality through **JUnit** and **Mockito** tests.
- Designed and deployed **Angular** components for an **AI-powered banking chatbot**, reducing customer service wait times by **50%** through real-time query resolution.
- Engineered a **Node.js**-based **microservice** for automated event logging, enhancing **auditability** and **security** with real-time monitoring.

### IC Solutions

September 2020 – November 2020

*Python-Machine Learning Intern*

Bengaluru, India

- Analyzed a dataset of over **10,000 automobile records** using **NumPy**, **Pandas**, and **Seaborn** to create correlation matrices, heatmaps, and distribution plots for feature optimization.
- Built and evaluated **predictive models** using **K-Nearest Neighbors**, **Random Forest**, and **Linear Regression**, achieving **99.3% accuracy** in automobile price prediction.

## Projects

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### Student Enrollment Information System (SEIS) | Python, Selenium, Google Cloud Console

January 2024

- Delivered a secure, user-focused course enrollment system using **Next.js**, **Firebase**, **Daisy UI**, and **D3.js** to enable dynamic visualization and interactivity.
- Strengthened access control using **RBAC**, **IAM policies**, and **256-bit AES encryption** implemented via **Firebase Authentication**.
- Created a data pipeline integrated with **Google Cloud Storage** for identity verification and automated summary generation, reducing data exposure risks.

### Meta App | Java, Android Studio

November 2021

- Designed a user management system using **Spring Boot**, with **MySQL** and **JSP** integration for real-time content delivery and enhanced user experience.
- Boosted backend efficiency by **20%** through advanced query optimization and **indexing** techniques.
- Increased system reliability and performance by **30%** through unit testing with **JUnit** and **Mockito**, and comprehensive process documentation.

### API for Document Resizing, Validation and Verification | Java, Eclipse, JavaFX

January 2021

- Developed a dynamic **Flask-based API** to resize over **5,000 JPEG/PNG images**, improving upload success rates by **40%** and automating image preprocessing to meet web constraints.
- Achieved **98% accuracy** in document verification by automating **UID** and **PAN** validation using **Google Cloud Vision OCR** and **OpenCV**, and reinforced reliability through **Selenium-driven scraping** and **Flask integration**.

## Achievements

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### Best Project Award

September 2021 – November 2021

- Secured **1st rank among 50 students** for developing a **Java-based user management system** as part of a web application project.

### Best Paper Presentation Award

July 2020 – January 2021

- Awarded at the **34th Computer Society of India Conference** for presenting the project *“RESTful API on Document Resizing, Validation, and Verification.”*