

SHIRDI KUMMARAKUNTLA

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Professional Summary

Results-driven Computer Science professional with 2+ years of experience optimizing higher-education admissions via Slate CRM, ETL pipelines (Python, Java, SQL), and data-integration solutions. Automated manual processes to save 60+ hours weekly and custom CRM merges that cut licensing costs by \$30K annually. Full-stack developer (React, Next.js, Flask, Spring Boot) who builds student-facing portals and dashboards that boost engagement by 25% and speed decision-making by 30%.

Experience

University of Tulsa

Aug 2024 – Present

Admissions Operations Analyst | Graduate & Online Programs

Tulsa, OK

- Manage, configure, and optimize Slate CRM processes—including forms, events, mailings, workflows, automations, and portals—for 150+ active users, ensuring reliable application processing and communications.
- Develop and maintain ETL pipelines (Python, Java, SQL) integrating data across Colleague SIS, ARMS (Archer, Risepoint), athletics, testing services (ETS/IELTS/TOEFL/Duolingo), and PMO systems—automating imports and reducing manual reconciliation by 15 hrs/week.
- Conduct routine data-governance audits, identify and remediate misbehaving records, and enforce privacy/compliance policies—improving data integrity and eliminating year-old integration failures.
- Build complex queries, interactive dashboards, and reports tracking application lifecycle metrics (melt rate, processing time, domestic vs. international mix), enabling stakeholders to cut decision-making time by 30%.
- Engineered student-facing portals and information dashboards—streamlining application submission, event registration, and real-time status tracking—boosting student engagement by 25%.
- Led the successful merger of two Slate CRM instances into one unified environment, migrating all data/configurations and saving \$30,000 annually in licensing and maintenance costs.
- Created and debugged critical workflows (e.g. GRE, IELTS imports) that had failed for 6+ months, restoring automated processing and saving 5 hrs/week of manual work.
- Onboard and train Graduate Assistants and 20+ staff on Slate CRM usage, access permissions, and best practices—improving team proficiency.
- Serve as technical liaison among Admissions leadership, IT, academic Deans, external vendors, and peer institutions—scoping integrations, gathering requirements, and rolling out new features.

University of New Haven

Feb 2023 – May 2024

Graduate Assistant, Slate CRM | Enrollment Operations

- Designed multiple portals for University Immigration Services Office to facilitate student services using custom dataset.
- Created a queue system portal to help students to be in queue at University welcome center.
- Created basic operational queries as per staff requirements.
- Assisted supervisor in updating and maintaining complex forms with styling and logical operations.
- Created automation rules to update checklists, fields, population-based user assignments and application bin.
- Worked on historical and need based data imports. Also created custom source formats for recurring data imports.
- Created and maintained complex queries, funnel and comparison reports for decision making.
- Created decision letters with complex liquid markup logic.
- Implemented multiple workflows to facilitate for application decision, I20 creation and custom needs.
- Designed a solution to automate I20 uploads to student accounts. This approach culminated in a 50-60 hour reduction in manual work, marking a shift in administrative efficiency.
- Engineered and executed a Flask-based system for automating class registration processes, resulted efficiency gain by eliminating 30 days of manual labor.

Capgemini

Jun 2021 – Jul 2022

Software Engineer

- Drafted and implemented a B2B web application using React.js and Redux, resulting in a 30% increase in client productivity.
- Identified and optimized 40+ web-based user interactions, crafting over 30 user stories and delivering the application within Agile timelines.
- Honored with the 2021-H2 Super Team Award, acknowledging team performance and a 15% acceleration in project completion speed.
- Distinguished as the top performer among 60 peers during 4-month Java-Full Stack Developer internship.
- In a 40-day sprint, conceptualized and delivered a Responsive Single-page Full-Stack Web Application from scratch.

Projects

Artfolio | *Next.js, React.js, TypeScript, MongoDB, AWS, OpenAI API*

- Platform ingests student resumes and auto-generates portfolio sites and ATS-friendly resume.
- Multiple tiers of templates to choose from with a subscription model.
- Integrates OpenAI API for resume optimization suggestions and template customization (in progress).

UIS Portal | *Slate CRM, HTML, CSS, JavaScript*

- One-stop portal for international students to submit forms, request information, and track status.
- Enables staff to assign and manage tasks in real time.

QR-Based Check-In System | *Slate CRM*

- QR-code check-in solution for orientation events, automating attendance capture.
- Generated real-time reports for event organizers.

Queue System | *Slate CRM, HTML, CSS, JavaScript*

- Student queue-management portal for the welcome center, enabling virtual check-in.
- Reduced in-person wait times and streamlined front-desk operations.

I-20 Processor | *React.js, Next.js, Typescript, Tailwind CSS, Prime React, Flask, PostgreSQL*

- Innovated a platform for the Enrollment Operation department streamlining I-20 creation and sending processes.
- Implemented an enhancement, resulted in a 80% increase in operational speed and 100% improvement in accuracy over manual processes.

GPA Calculator | *HTML5, CSS3, JavaScript, Tailwind CSS, Flask*

- A web-based GPA calculator supporting various global university scales and converting to US GPA standards.

Can't Stop | *C++, OOPS*

- Structured a CLI game with segmented modules to optimise code readability; Applied OOP principles such as Polymorphism, Templates, Inheritance, and Abstract classes to bolster project efficiency and scalability.

Grab 'n' Go | *React.js, Tailwind CSS, Neumorphism UI, HTML5, CSS3, Spring, Mongo DB*

- Designed and created a Responsive Single Page, Full-Stack Web Application supporting Authentication, Role-based Authorization in a Micro-service based architecture. [UI Host](#).

Technical Skills

Platforms: Slate CRM, Colleague SIS, React.js, Next.js, Redux, Node.js, Flask, Spring Boot

Languages: Python, Java, C, C++, HTML5, CSS3, JavaScript, TypeScript, SQL, NoSQL, Assembly.

Tools: VS Code, Excel, Eclipse, Postman, Jira, Git

Education

University of New Haven

Master of Science in Computer Science

Aug 2022 – May 2024

West Haven, Connecticut

Lovely Professional University

Bachelors in Electronics and Communication Engineering(.Hons)

Aug 2017 – May 2021

Punjab, India