

# Sai Kumar Chowdry

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## TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Python.

**Front-End:** HTML5, CSS3, Bootstrap4, Material.UI, Chakra.UI, React.js, Redux, Next.js14.

**Back-End:** Node.js, Nest.js, Express.js, Webhooks integration(RazorPay).

**Database:** MongoDB, MySQL, PostgreSQL, Microsoft SQL (MsSQL).

**Development Tools and Environments:** VS Code, Git/GitHub, Bitbucket, DBeaver, Jest, JIRA, POSTMAN.

**DevOps and Infrastructure:** AWS - Lambda, S3, EC2, SES, RDS, and CloudFormation, Azure - ECS, Blob Storage, Jenkins, Vercel

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## EDUCATION

**M.V.S.R College of Engineering**

Bachelor of Engineering in Information Technology

**Aug 2019 - June 2023**

CGPA: 7.0/10

**Vishra Junior College**

Intermediate

**May 2017 - July 2019**

CGPA: 9.28/10

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## PROFESSIONAL EXPERIENCE

**SOFTWARE DEVELOPER - Aadvi Tech Solution, Hyderabad**

**July 2023 - Present**

- Developed **TypeScript**-based REST APIs following MVC structure and leveraging ES5/ES6 features, incorporating diverse functionalities and logical operations by integrating with **MySQL** and **MongoDB**.
- Implemented Two-Factor Authentication (2FA) using a QR code scanner and integrated Google reCAPTCHA to enhance application security, preventing bot attacks and spam while ensuring robust user authentication
- Adopted object-relational mapping (ORM) to manage complex queries, transactions, indexing, and stored procedures, ensuring data integrity and performance in MySQL, Microsoft SQL, and MongoDB, and incorporated in structuring the databases.
- Integrated Azure services, **Azure ECS** for email dispatch, and **Azure StorageService** for file management(1-3GB) and mapping payload across system components for seamless integration.
- Integrated **Razorpay payment gateway** with webhooks in a NestJS service, ensuring secure transaction processing, real-time payment status updates, signature verification, and local testing using **webhooks**.
- Established a robust CI/CD pipeline using AWS CloudFormation and the Serverless Application Model (AWS SAM), enabling automated deployment for serverless applications, which reduced manual intervention. Additionally, implemented ESLint within GitHub Actions to maintain 100% code quality compliance.

**SOFTWARE INTERN - Gustavo Valley Technovations, Hyderabad**

**May 2023 - June 2023**

- Attained proficiency in real-time applications and Software Development Life Cycle (SDLC) methodologies, including Agile practices, through collaborative work within a 4-member team.
  - Designed and integrated cohesive APIs for a Node.js backend, incorporating debouncing to reduce response times by 20%. Enforced clean coding practices with ESLint to maintain code quality.
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## PROJECTS

**NewEra Order Management Systems** / *React.js, Node.js, Redux, Jwt token, MongoDB, Express*

- Developed a hospital Management application featuring responsive menus and a streamlined checkout flow. Utilized **Azure ECS** for efficient image management, resulting in up to 30% improvements in user experience metrics.
- Enhanced application performance and scalability by implementing **Redux Toolkit** to streamline data flow and optimize state management, increasing overall application performance and improving scalability metrics within the tech environment.
- Elevated data management with **MsSQL**, reducing retrieval time by 25%.

**MaxTrans Systems** | / *Node.js, MongoDB, Express, HTML, CSS, Bootstrap.*

- Implemented a robust backend using Node.js and MS SQL and a responsive frontend using typescript-based React with Redux, achieving a seamless integration of 3 core technologies.
  - Integrated **S3 Bucket** for file storage and Azure Portal for hosting, streamlining the management of 1GB+ files while ensuring reliable access and scalability in response to user demand.
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## ACHIEVEMENTS & AWARDS

- Achieved 2 badges, 'Pull Shark' and 'YOLO,' on GitHub, recognizing collaboration and impactful contributions.
- Successfully achieved a certification in **Front-End Development (React)** from HackerRank.