

SHASHANK JANAGAM CHANDRA

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EXPERIENCE

Bytematic IT Solutions | Software Engineer

May 2022 – March 2023

Technologies: Python, React, MongoDB, Express.js, React Native, Node.js, Jest.js

- Optimized a real-time data processing pipeline by integrating Apache Kafka with existing systems, reducing data processing latency by 30% and improving overall system performance.
- Deployed applications on AWS, achieving 99% uptime and reducing hosting costs for Bytematic.
- Wrote 200+ unit tests to verify the functionality of user interfaces, back-end processing, and relational database interactions.
- Designed and managed an inventory management system which increased efficiency by 40% on overseeing stock saving \$10k.
- Developed web applications for clients (**MSGGlobal, MIQ digital, Symplr**) according to their needs.

Capgemini | .NET Core Developer Intern

January 2022 – April 2022

Technologies: .NET, MYSQL, Ajax, MongoDB

- Assisted senior developers in implementing APIs with ASP.NET lowering the average server response time by 20 ms.
- Developed and documented 2 RESTful APIs to facilitate seamless data exchange between client applications and the server.
- Designed a login page, created API endpoints and integrated a mapping API for geolocation for a taxi aggregator website, utilizing .NET framework to deliver a robust and user-friendly platform.

Teaching Assistant at Presidency University under Dr Archana Sasi

August 2021 - January 2022

- Delivered lectures (in-class and labs) python programming and Data Structures curriculum to first-year undergraduates enabling the professor to complete 98% of the lectures on time.
- Assisted the professor in creating exam papers and grading over 100 assignments and tests.

SKILLS

Languages:	Python, C++, C, Java, Go, PHP
Web Technologies:	React, React Native, Node.js, Express.js, .NET
Application Software:	Visual Studio Code, Xcode, IntelliJ, Git, Android Studio, Eclipse, XAMPP.
Database Management:	MongoDB, Firebase, MySQL
Cloud Computing Technologies:	AWS, GCP, Azure

PROJECTS WORKED

YouTube Video Summierzier

Technologies: Flask, Python, React, JSS, NLP, MongoDB

- Developed a YouTube video summarizer using Python, Flask, and NLP libraries.
- Designed and implemented a responsive user interface with HTML, CSS, and JavaScript.
- Hosted the application on AWS with CI/CD via GitHub Actions and integrated the YouTube Data API.

Books Recommendation Web App

Technologies: HTML, CSS, JS, Express JS, Node js, MongoDB, Bootstrap, Machine learning algorithms

- Goodreads dataset is taken from Kaggle with name, author, ratings, performed data cleaning for the missing values.
- Performed data cleaning on the Goodreads dataset from Kaggle, addressing missing values for accurate analysis.
- Implemented KNN and SVD algorithms to recommend the top 10 books based on average ratings and cosine similarity.
- Developed backend API routes for the KNN and SVD algorithms, displaying top 10 book recommendations on the result page.

E-commerce Website:

Technologies: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB, Stripe API.

- Designed and developed a fully functional e-commerce website for motorcycle parts sales and customization.
- Implemented features to enhance online sales and improve customer engagement.
- Delivered the project as a freelancer, meeting the client's specific business needs and goals.

EDUCATION

Master of Science in Software Engineering

Stevens Institute of Technology, Hoboken, NJ

Course work: Software Requirements Analysis, Agile Methods, Software Testing Quality Assurance and Maintenance, AI in Software Engineering.

GPA: 3.77

Activities indulged at Stevens: Peer Mentor, Graduate student council member and a point of contact for incoming students queries.

Certifications: IBM Full-Stack JavaScript , Back-End Developer Capstone, IBM DevOps and Software Engineering, Generative AI for Software Engineering, Mathematics for Machine Learning.