

# Inguva Venkata Sandeep Sarma

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## EDUCATION

Lovely Professional University

Jalandhar, Punjab

• **Bachelor of Computer Science & Engineering**

**Expected June 2024**

• **Relevant Coursework:** Machine Learning, Database Systems, Data Structure and Algorithms, Software Engineering, Digital Electronics, Computer Organization and Design, Probability & Statistics, Robotic Process & Automation, Computer Networks, Operating Systems, Natural Language Processing (**In Progress:** Deep Learning, Big Data Systems)

## TECHNICAL SKILLS

- **Programming Language:** Python, C,C++, SQL, JavaScript, TypeScript, Bash, Golang
- **Data Science Library:** pandas, numpy, scikit-learn, matplotlib, seaborn, beautifulsoup, selenium, tensorflow
- **Softwares :** Jira, Notion, Vim, Emacs, Vmware, Matlab, Figma, Kibana
- **Database & Cloud Infrastructure:** AWS, PostgreSQL, MongoDB, Supabase, Docker, SQLite
- **Framework & Tool:** Tableau, PowerBI, React, React Native, Node, Express Python Flask, BluePrism, Automation Anywhere, Bcrypt, Json-web-tokens, Cors, Dotenv, Multer, Axios, Express-rate-limit, Gin, GORM ,Materials-UI
- **Operating Systems:** Windows, Mac Os, Ubuntu, Fedora, Arch, PopOs

## WORK EXPERIENCE

SkillValley Cohort , Full-Stack Developer | MERN

Jun '23 - Sep '23

- Implemented a robust user authentication and authorization system using Passport.js in the MERN stack, ensuring secure access to user and company profiles.
- Developed an intuitive and responsive user interface (UI) for the freelancer website using React and Bootstrap, Received positive user feedback for the improved user experience.
- Successfully deployed the freelancer website on AWS, implementing CI/CD pipelines for automated testing and deployment. Continuously monitored and maintained the production environment, achieving 99.9% uptime and quick issue resolution.

Techvanto Academy Trainee, Full-Stack Developer, Work from home

Jun '22 - Jul '22

- Proficiently leveraged the MERN (MongoDB, Express.js, React, Node.js) stack to create a data-driven website. Deployed the application to a server, ensuring seamless online accessibility.
- Constructed a robust backend architecture utilising Node.js and Express.js, enabling seamless data retrieval from servers. Employed RESTful API principles to enhance data interaction and optimise website performance.
- Collaborated closely with a business client to develop a sophisticated portfolio website.

Engati Technologies, Customer Success Intern, Bangalore

Oct '23 - Jun '24

- Customer Support - Delivered timely and effective customer support through email, chat, and phone channels, adeptly addressing inquiries and resolving issues to ensure optimal customer satisfaction. Additionally, conducted comprehensive user training sessions to educate clients on product functionalities and impart best practices for optimal usage.
- CRM Management - Utilised Customer Relationship Management (CRM) tools to maintain accurate and up-to-date customer records, ensuring effective communication and relationship management. Also, proficiently worked with Zoho and Salesforce CRM to integrate with Engati using APIs and Webhooks.
- Channels Integrations - Acquired expertise in Shopify webhooks integration to craft a dynamic and personalised user experience, particularly on WhatsApp and other channels. Collaborated closely with the WhatsApp Business API and Waba (WhatsApp Business API client) to execute successful broadcasts, maximising audience reach and engagement.
- Bot Building - Led the development of chatbots, actively participating in bot creation, defining intricate user flows, strategically planning trigger paths, and implementing templates in WhatsApp.

## PROJECTS

[Shopping Cart](#) , Golang | React JS | SQLite

Apr '24 - May '24

- Spearheaded Shopping Cart, crafting a React.js and Golang web app from scratch, focusing on seamless client-server interaction via RESTful APIs. Engineered intuitive interfaces with React.js, enhanced by Material-UI, enabling smooth item browsing, cart management, and checkout processes.
- Architected a robust server in Golang with Gin, synced with SQLite, and established RESTful APIs for authentication, item management, and order processing.

[Youtube Scraper](#) (Project-Helium), Web App | Python

Apr '23 - May '23

- Employed web automation techniques to simulate user interactions, scroll through search results, and collect data from multiple pages of search results. Enabled users to conveniently access scraped YouTube data through a user-friendly web interface.
- Leveraged Selenium, a powerful web automation framework, for navigating web pages and to drive the Chrome browser with proxy rotation, ensuring anonymous data retrieval. Utilised pandas for data manipulation and scraped data into structured records.

- Developed a Flask web application that allows users to input search queries, set data retrieval limits, and select the number of proxies to use for enhanced performance.

**Xchange (Project-Tritium),** Node.js Application | Javascript, Node Js

**Nov '23 - Present**

- Advanced Node.js Backend Architecture - Developed a sophisticated Node.js backend with express for RESTful APIs and complex routing. Integrated custom middleware and express-rate-limit for request management. Emphasised MVC patterns and clean code with nodemon for development efficiency.
- Database Operations and File I/O - Managed database interactions using @supabase and for PostgreSQL, ensuring efficient ORM/ODM integration. Implemented file handling with multer and form-data, and utilised AWS SDK (@aws-sdk/client-s3, @aws-sdk/lib-storage) for cloud storage.
- Security and Scalability - Enforced security with Dotenv, Bcrypt for hashing, and Json web token for authentication. Incorporated CSRF protection middleware and used Axios for HTTP requests, achieving a secure and scalable backend suitable for high-load environments.
- Api Documentation - Developed a comprehensive backend system in Node.js, featuring a detailed API documentation with Postman, covering user management, event handling, transactions, messaging, and image uploads, demonstrating expertise in RESTful API design and documentation.

## CERTIFICATIONS

- Database Management System Part - 1 | Infosys Springboard
- Data Structures and Algorithms by Abdul Bari | Udemy

**July '23**

**Feb '23**

## ADDITIONAL INFORMATION

**Languages:** English (Proficient) , Tamil (Proficient) ,Hindi (Proficient), Telugu (Native)