

Gowtam Sai Sankar Gottam

✉ gowtamssg@gmail.com ☎ 9282557598 📁 portfolio in <https://www.linkedin.com/in/gowtam-1998/>
🔗 <https://github.com/ggowtam>

Summary

- I am a software engineer with over **3+** of professional experience in **software development**.
- I possess proficiency in a range of programming languages, including **Python**, **JavaScript**, **SQL**, and **Java**. Additionally, I have experience with **Angular** and **React**.
- Developed Python code for **Caesar cipher encryption/decryption**. Firewalls play a key role in **network security**. They filter out unauthorized traffic, and configuring rules to allow only compliant traffic enhances security.
- integrated **Wireshark** for packet capture, allowing me to filter and analyze network traffic efficiently. Integrated the **Firewall** Visualization Tool to enhance security by setting up specific rules.
- I possess expertise in several Spring modules, particularly **Spring MVC** and **Spring Core**, facilitating efficient and scalable application development.
- My experience in **Object-Oriented Programming** allows me to design robust solutions, utilizing concepts like **Multi-Threading**, Exception **Handling**, and **Collections**.
- My experience extends to applying **machine learning** algorithms for **data analysis** and creating **web Applications** using **YOLO**.
- I have experience in handling relational **databases**, specifically **Oracle** and **MySQL**. My proficiency extends to utilizing database tools like **PL/SQL Developer** and **SQL Developer** for effective database management.
- Skilled in data visualization and statistical analysis using tools like **Power BI** and **Tableau**.

Professional Experience

Software engineer, NetElixir

Hyderabad, India

At Netelixir, I worked as a Software Engineer.

- In the backend, I built applications with **microservices** using **Spring Boot**. This included creating **Spring Bean Classes** for **business** logic and utilizing **Spring MVC** to craft **REST controllers**. The application was seamlessly integrated through Spring-MVC using **Spring Boot** and **Dependency Injection**.
- I created and maintain an **FEATURED TOOLS** on the frontend using **React JS**. It helps analyze webpages for better search engine performance.
- Managed data effectively with **Hibernate ORM**, boosting the tool's performance.
- Crafted user-friendly sidebars for smoother navigation, using expertise in **HTML5**, **CSS3**, and **Bootstrap**.
- Developed easy-to-use drop-down menus using **JavaScript** and **JQuery**.
- Integrated user-friendly features for enhanced usability, highlighting my **UI/UX** design skills.
- Deployed the tool seamlessly with **AWS** and **Jenkins**.
- Managed user data efficiently by utilizing **MongoDB**, ensuring seamless storage of user preferences, tool usage, and website statistics.
- Engaged in thorough Unit Testing and **CI/CD** via **Bugzilla**, enhancing software stability.
- Used **JIRA** for tracking tasks and **Jenkins** for quick software updates, enhancing teamwork and speeding up project work.

PHP Developer, OyeLabs

Hyderabad, India

- I used **PHP** to create interactive web pages and build a system for users to easily sign up and log in on the project's website.
- Employed **JSON** format for seamless data exchange across application components, enhancing communication.
- Utilized **Tomcat** to host the app, making it accessible to users online.
- Managed code changes effectively using **Version Control tools**, supporting collaboration within the development team.
- Verified **REST API** functionality using **Postman**, including calling location APIs for data verification.
- I integrated **SOAP** (Simple Object Access Protocol) into the code, allowing different programs to communicate using **XML** messages. This enabled data sharing and interaction between applications in a structured manner.

ITS Student Administrative Assistant, NAU ITS

Flagstaff, United States

- Managed duplicate EMPLIDs in NAU's **PeopleSoft** System, resolving issues through manual clean-up.
- Collaborated on creating a Duplicate Application System, reviewing cases, and ensuring data accuracy.
- Assisted with website updates and **bug** fixes to enhance user experience.
- Utilized **Tableau** to represent student data based on class grade, improving data visualization and insights.

Education

Masters in Computer Science, Northern Arizona University

01/2022 – 05/2023 | Flagstaff, United States

GPA - 3.55

Bachelors of Technology in Computer Science and Engineering,

08/2016 – 05/2020 | Hyderabad, India

Institute of Aeronautical Engineering

GPA - 3.10

Skills

Development Languages

Java, Python, JavaScript, HTML & CSS, SASS (SCSS), PHP, Kotlin

Frameworks

NodeJS, Django, Flask, FastAPI, ExpressJS, Spring boot, ReactJS, Angular JS, Redux, Bootstrap, Tailwind CSS, JQuery, React Native, JavaFX, Hibernate ORM, AWS, Jenkins, R Studio

Servers

Tomcat ,Oracle WebLogic Server

Data base

Mongodb, MySQL, Oracle

Others

Bugzilla, Unit testing, CI/CD, agile, System testing, WooCommerce, WordPress, Shopify, Google Analytics Tag Manager, Davinci resolve, Paid search, Paid social, SEO/PPC Engineering Products and Services Digital marketing, Kafka, Maven, Power BI

Projects

Real time twitter sentiment Analysis

03/2021

While working at NetElixir, I developed a **Python** API enabling users to input a topic and access **real-time tweets** through the **Twitter API**. Integrated **Google NLP** for **sentiment analysis** to classify tweets as Positive, Negative, or Neutral. Utilized **Power BI** for visualizing data and **Postman** for **API testing**, enhancing the project's functionality and presentation.

Electronic RE-USE

12/2018

I developed the website, enabling users to trade damaged electronics for rebuilding. Utilized **JavaScript** to create interactive elements, **PHP** for backend functionality, and **CSS** for appealing designs.

Automatic Extraction of Number Plates of Two-Wheelers without Helmet from CCTV Footages and Automatic Fine Generation, (Major project)

01/2020

I employed **YOLOv2**, a **machine learning** algorithm, to automate helmetless two-wheeler detection in videos. Utilizing **Python**, I extracted number plates and updated fine data on the **server**. Further, I integrated SMS alerts to registered phone numbers, enhancing the project's functionality.

Peer-to-Peer-chat-Stick-Topology/`Ring-Topology

02/2022

Using **Java sockets** and **threading** for **P2P** communication, enabling **real-time messaging** using the stick topology/ring topology in a distributed system. Java served as the backend, while the project also employed **MySQL** for data storage and Apache **Tomcat** for web **server** hosting.

TransactionServer

04/2022

I developed a **transaction server** in Java to handle a configurable number of data objects functioning as **banking** accounts. Each account holds a specific amount of money. This project incorporated Java for the backend and used **MySQL** for data storage, ensuring efficient account management.

GG Wander, Android Application

06/2023

I designed the "GG Wander" Android app using **Kotlin** in **Android Studio**. The app utilized **Gradle** for efficient project management and Android platform for seamless user experience. It **targeted API 31** to ensure compatibility with the latest features.

Obstacle Detection Mini Car

10/2018

By integrating **Arduino** and an **ultrasonic** sensor, I crafted a **robot** capable of navigating in multiple directions. Utilizing the **Arduino IDE**, I coded the robot to detect obstacles and alter its path

Minion-Mobile Controlled Cleaning Rbot, (Mini project)

06/2019

I have created a robot using **IOT** tech which mops the floor using **arduino** and **bluetooth module** controlled through mobile, **IOS** and **Android**

Certificates

J-HUB HACKATHON LEAGUE

Certificate of MERIT(Bronze medal)

PROJECT EXPO'17

Obstacle detection mini car using iot

Hackerrank

React JS, Java, JavaScript, Angular

Google Digital Unlocked

The Fundamentals of Digital Marketing

Great Learning

Java Programming, Python, Machine Learning

LinkedIn

Python, C#, JavaScript, SQL Programming, web security

Awards

Recipient of NAU's International Excellence Award - Scholarship for exceptional international students.
J-HUB HACKATHON LEAGUE 32 hoursCertificate of MERIT (Bronze medal)