# Tejas K S

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## Career Objective

I have recently graduated with a Bachelor's degree in Information Science and Engineering, specializing in software development. My goal is to contribute significantly to the technical development and growth of a software company. I am passionate about leveraging my skills in programming and software engineering to tackle challenging projects and drive innovation. Looking ahead, I aim to build a successful career in software development, continually expanding my expertise and making substantial contributions to the industry.

## Education

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| ***Global Academy of Technology, Bengaluru,*** BE in Information Science and Engineering | Jan 2020 – July 2024 |
| ***Sri Kumaran Children Home, Bengaluru,*** Pre-university | March 2018 – April 2020 |

## Experience

**Backend Developer/Intern***, Indiassetz  – Bengaluru*                                          Nov 2023 – Feb 2024

- Spearheaded backend development initiatives by designing and implementing **robust APIs** to enhance frontend functionality, utilizing **Django** and **PostgreSQ**L.
- **Optimized** database queries to ensure efficient data retrieval and management, **improving application performance**.
- Acquired practical experience in **integrating email triggers** using Mail Modo and **interfacing** with the **Google Sheets API** for seamless data synchronization and communication.

**Project Intern, Data Analysis and Generation***, GAT – Bengaluru*                          Oct 2023 – Nov 2023

- Leveraged Python libraries (**Pandas, Numpy, Seaborn**) for comprehensive d**ata cleaning** and **exploratory data analysis**, enhancing data quality and insights.
- Developed and implemented synthetic data generation techniques using advanced models, including **Faker** and **CT-GAN**, to create realistic and numerically robust datasets using **Flask**.

**Backend Developer/Intern***, GAT – Bengaluru*                                                    Dec 2022 – May 2023

- Developed and implemented login and sign-up APIs using **Node.js** and **MongoDB**, enhancing user authentication and registration processes.
- **Collaborated** effectively within a professional team environment, honing skills in code **development,React Js, problem-solving,** and **project management.**

## Projects

**Multi-Health-Analysis Using Deep-Learning and Machine-learning**                                   Github Link

- Built and fine-tuned multiple **machine learning** models for health condition predictions, achieving over 80% accuracy in various cases.
- Developed a **deep learning model** for predicting multiple types of brain tumors, consistently maintaining an accuracy rate above 80%.

**Meeting Transcriber**                                                                             Github Link

- Developed using **Django**, **HTML**, **CSS**, and integrated **NLP** libraries like Hugging Face's **Transformers**, features include speech-to-text transcription, language translation, sentiment analysis, and more.
- ensured security with **authentication** and **authorization** mechanisms and optimized performance using model caching **and multi-threading**. Additionally, utilized multiple **BERT** models and fine-tuned them forenhanced accuracy and efficiency.

**StudyBud**                                                                    Github Link

- Designed and developed StudyBud utilizing **Django**, **HTML**, **CSS**, and SQLite technologies.
- Engineered a **secure** and **robust** platform facilitating the creation of discussion rooms and fostering continuous dialogue.

**Personal AI Voice Assistant**                                                 Github Link

- Developed a versatile **AI** voice assistant proficient in **natural language processing** and speech recognition. Equipped the assistant with functions like chatbot interactions, YouTube automation, and topic briefings
- Leveraged capabilities such as basic tasks automation and web scraping.

## Achievements And Awards

**First Place: IBM-Z Datathon**, **Bengaluru:** Awarded First Place in an in-person Datathon (Hackathon) organized by IBMZ in Bengaluru.

**First Place: Hack-A-League:** National Level Hackathon, Hack-A-League, Global Academy of Technology (GAT).

**First Place – ByteFest**, **GAT:** secured first place in the ByteFest (competitive programming) conducted by the Global Academy of Technology, demonstrating technical expertise and problem-solving abilities.

**Second Place**: **State Level Hackathon (Hackerrupt22), VVCE: Secured** Second Place in the State Level Hackathon (Hackerrupt22) conducted by VVCE, showcasing technical proficiency and problem-solving skills.

**Winner** of Coding Competition **BROCODE** conducted in Global Academy of Technology.

**Winner** of Ideation Competition **SHARK TANK** conducted in Global Academy of Technology.

## Technical Skills

**Languages:** Python, Java, SQL, JavaScript
**API Design:** REST APIs, JSON, Postman
**Web Development:** HTML, CSS, React Js, Node.js, Django
**Database Management:** PostgreSQL Database, MongoDB Database
**Exploratory Data Analysis and Visualization:** · Python, NumPy, Pandas, Seaborn, Matplotlib
**Version Control and CI/CD:** Git and GitHub, Docker and Kubernetes

## Certifications

SQL certification by Hacker-Rank
Python Certification by Hacker-Rank
React Js
Postman
Docker
Kubernetes
AWS APAC - Solutions Architecture Job Simulation
J.P. Morgan, Software Engineering Job Simulation