

NAVEEN KUMAR

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SUMMARY

- Software Developer with nearly **5 years** of relevant experience.
 - Proficient in **Django** and Flask **Python** frameworks and Object-Relational Mapping (**ORM**).
 - Hands-on experience with **machine learning** algorithms, including K-Nearest Neighbors (**KNN**), **Linear Regression**, and **Neural Networks**.
 - Extensive expertise in designing **REST API** endpoints and server architecture.
 - Solid working knowledge of **AWS** services, including **S3**, **EC2**, and **Rekognition**.
 - Experienced in querying **SQL** databases.
 - Adopts a **Test-Driven Development** (TDD) approach, with **unit and integration testing** skills.
 - Demonstrated experience in building **chatbots** with custom integrations is an added advantage.
 - Strong communication, collaboration, and interpersonal skills, with a proven ability to quickly grasp and effectively utilize new technologies.
 - Excellent team player with high energy, consistently willing to go above and beyond to assist others, coupled with a positive attitude and a commitment to making a meaningful impact.
 - **Self-motivated** and **Enthusiastic**.
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WORK EXPERIENCE

Engineer , Qualcomm, Hyderabad

OCT 2022 - PRESENT

- Developed the **MMB & CIS** End-to-End tool to automate the build and testing processes for various components of the camera, utilizing **Django**.
- Managed and monitored integration processes to ensure data integrity and the timely execution of workflows, employing **Jenkins** and **Docker**.
- Employed API management tools to build and deploy **RESTful** APIs, enabling secure and efficient data exchanges.
- Collaborated with cross-functional teams to comprehend requirements and implement relevant use cases.
- Possess a foundational knowledge of **Android build systems**.

Software Developer Engineer, CAW Studios, Hyderabad

SEP 2021 - OCT 2022

- Developing chatbots (IVA)
- **Integrating ML models** and training chatbots based on various intents tailored to clients' needs.
- Collaborating with other teams to discuss the IVA architecture.
- Created a Reddit bot for **Witcher Season 2 (Netflix)**.

Software Developer Intern, iB Hubs, Hyderabad

JUL 2019 - JUN 2021

- Developed the **Taskflow** project utilizing **Python** and the **Django** framework.
 - Gained insights into software engineering process enhancements and best practices.
 - Engaged in **code reviews**, ensuring high-quality standards across the codebase.
 - Worked alongside fellow developers to identify and resolve various bugs and software errors.
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EDUCATION

IIIT RGUKT

Computer Science And Engineering
CGPA 8.5

AUG 2017 - AUG 2021

Pre University Course
CGPA 8.5

AUG 2015 - MAY 2017

ZILLA PARISHAD HIGH SCHOOL

SSC
CGPA 9.0

2015

AWARDS & ACHIEVEMENTS

- Achieved the **NMMS scholarship** in the 8th grade by successfully qualifying for a competitive examination in 2013.
- Attained the status of **Mandal Topper in the SSC** examinations in 2015.
- Received the **Prathibha Award from Shri N. Chandrababu Naidu**, the Chief Minister of Andhra Pradesh, in 2015.

PROJECTS

Reddit Bot with NLP (CAW STUDIOS)

- Introduced a chatbot to automate social media interactions on the Reddit platform utilizing **PRAW**.
- Defined intents and responses while maintaining context to effectively train the chatbot and respond to comments on posts.
- Utilized Python and an existing machine learning **NLP** model for enhanced performance.

Task Flow (IB Hubs)

- Task Flow 4.0 is designed to accommodate any customized series of steps that a task has to undergo.
- Users can configure all the fields that have to be captured or displayed to the User in each stage.
- Used Elastic search NoSQL database to free text search
- Features owned Tasks, Checklist & Dashboards
- Followed agile methodology, with TDD approach

CIS & MMB (QUALCOMM)

- CIS streamlines the entire process of building and validating changes, ensuring everything is ready for the final shipment to the end customer.
- Capturing and securely storing all valuable information at every stage of the process.
- CIS can configure/customize the process according to the needs of the customer.
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- CIS can configure/customize the process according to the needs of the customer.

Handwritten Digit Recognizer using CNN

- Understanding of **Neural Networks** works and Visualizing the **ANN, CNN**
- Developed and Implemented model using **MNIST** dataset aimed to identify the handwritten digits (0-9) using **Convolution Neural Networks**
- Used **Seaborn** to visualize the data and Keras to load the dataset and train the model, optimizing the parameters with an **accuracy** of 98%

House Price Prediction

- Developed a ML model to predict house prices based on various features such as location, size, number of rooms, and more.
- Collected and processed a comprehensive dataset.
- Built & Trained regression model using linear regression and evaluated model using **MSE**.
- Implemented whole **Linear Regression** model from scratch using python.

Diabetes Disease Prediction

- Implemented **KNN** algorithm using Python from scratch
- Understanding of **KNN** algorithm, metrics and **Model Tuning**.
- **Visualizing** the data and understanding the relation between the features.
- Evaluated model using **Minkowski distance** metric.

Zomato Data Analysis

- Analyzing the dataset of Zomato
- Performed **EDA**, **Data cleaning**, and Updating Missing values(**Data Imputing**).
- **Visualizing** & Ploting the data into beautiful graphs using **Seaborn**

Handwritten Digit Recognizer

- Developed project using Python NumPy package
- Applied NumPy methods, built KNN algorithm from scratch.

Depression Prediction

- Participated kaggle competition.
- Performed EDA, Data Cleaning and Data Imputing.
- Applied Data visualization to understand the relation between features & targets
- Applied **XGBoost** & **CATBoost** model with **accuracy** as metric to get the better results.

ADDITIONAL INFORMATION

TECHNICAL SKILLS

- | | |
|-----------------------|---------------|
| • Python | • GIT |
| • Django | • Java Script |
| • Web App Development | • IoT |
| • Machine Learning | • Docker |
| • LLMS | • Node JS |
| • SQL | • React JS |

INTERESTS

- Learning hacks to ease the work
- Listening to music
- Playing video games

LANGUAGES

- TELUGU
- KANNADA
- ENGLISH

HOBBIES

- Watching movies
- Playing cricket & video games

CONTACT

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