KIRAN GAJJANA

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Summary

With a background in research at NIT Sikkim and experience in various AI-based solutions at Tech Mahindra, I aim to leverage my Python proficiency and Azure AI expertise to drive impactful decision-making through data-driven strategies. Eager to contribute innovation to dynamic teams and continually advance in the evolving field of artificial intelligence.

Education

- **NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM-MTECH** — RAVANGLA,SIKKIM,INDIA
  MASTER OF TECHNOLOGY -COMPUTER SCIENCE AND ENGINEERING — *2021-2023*
  CGPA: *1ST SEMESTER 7.6/10 2ND SEMESTER 7.8/10 3RD SEMESTER 7.8/10 4TH SEMESTER 8.0/10*

- **CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-BTECH** — ORISSA, INDIA
  BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE AND ENGINEERING; CGPA: 7.8 — *2016 -2020*

- **SRI CHAITANYA JUNIOR KALASALA-INTERMEDIATE** — VIJAYAWADA, INDIA
  MPC; PERCENTAGE: 75 — *2014 -2016*

- **SRI CHAITANYA TECHNO SCHOOL-METRICULATION** — PALASA, INDIA
  FINAL SCHOOLING; CGPA:9.0 — *2013 -2014*

Internships

- **Tech Mahindra** — Hyderabad, Telangana
  AI Consultant Intern *- Machine Learning, Deep Learning,Microsoft Azure* — *August 2023 – November 2023*

  Pioneered AI applications, orchestrating dynamic consultations and leading cross-functional teams to deliver innovative solutions, resulting in improved project efficiency, success rates, and optimized decision-making processes

- **National Institute of Technology, Sikkim** — Ravangla, Sikkim
  Research Scholar *- Machine Learning and Deep Learning* — *August 2022 – July 2023*

  Led groundbreaking research on adversarial attacks, implementing robust defense strategies and pioneering novel countermeasures in deep learning, resulting in improved model resilience, and disseminated findings in reputable journals, contributing to knowledge advancement

Professional Experience

- **Tech Mahindra** — Hyderabad, Telangana
  Associate Software Engineer *- Machine Learning, Deep Learning,Microsoft Azure* — *January 2024 – present*

  Specializing in data science projects for Microsoft at Tech Mahindra, I excel in language translation, NLP, and auto-generation use cases, leveraging advanced Python and Azure AI skills. Eager to advance in AI, I thrive on delivering excellence within collaborative teams

Technical Skills

- **Programming Languages**: Python, C/C++
- **Web Technologies**:
    - **Front-end**: HTML, CSS, JavaScript
    - **Back-end**: FastAPI
    - **Databases**: MySQL
- **Cloud Technologies**:
    - **Microsoft Azure**: Azure Functions, Azure Machine Learning: Intermediate
- **Artificial Intelligence**:
    - **Machine Learning**
    - **Computer Vision**
    - **Deep Learning**
    - **NLP (Natural Language Processing)**: Intermediate
    - **Generative AI**
- **Data Manipulation**:

- ○ **Pandas**
  - ○ **NumPy**
- ○ **Data Visualization**:
  - ○ Matplotlib
  - ○ Seaborn
- ○ **Other Skills**:
  - ○ MLOps
  - ○ Version Control: Git, GitHub

Projects

- **Language Translation** : Currently involved in a language translation project for Microsoft client.**(Jan-present '2024')**

- **Interview Bot**: Developed an interview bot leveraging AI and ML techniques during internship**(Sep-NOV '2023')**

- **Breaking the Defenses: Adversarial Attacks on Deep Learning models**: Conducted research on adversarial attacks on deep learning models, fortifying defenses, and ensuring model reliability. **(Mtech Research Project (Jan-May '2023'))**

- **Air Quality Index Estimation Using Hybrid Model**: Employed a hybrid model integrating machine learning and statistical techniques to estimate air quality indices. **(Mtech Research Project (Jan-Feb '2023'))**

- **Personalized Recommendation System: Collaborative Filtering Techniques**: Crafted a recommendation system utilizing collaborative filtering for tailored suggestions of products, movies, or music based on user preferences. **(MERN Stack Development - March '2023')**

- **Credit Risk Assessment: Predictive Modeling for Loan Applications**: Engineered a predictive model employing logistic regression, random forests, or gradient boosting for assessing credit risk in loan applications. Achieved a 90% accuracy rate on a validation dataset, facilitating informed lending decisions. **(MERN Stack Development - March '2023')**

- **Recurrent Neural Network (RNN) Project: Sentiment Analysis for Movie Reviews**: Utilized RNNs for sentiment analysis on movie reviews, capturing contextual information for classification. **(MERN Stack Development - Feb '2023')**

- **Data Analysis Project: Customer Behavior and Purchase Patterns**: Conducted an in-depth analysis of e-commerce data to reveal insights into customer behavior and purchasing trends. **(January '2023')**

- **Data Visualization Project: Analyzing IPL Match Data**: Developed informative data visualizations using the Matplotlib library to analyze Indian Premier League (IPL) match data. **(January '2023')**

- **Agriconnect: IoT Project Sponsored by GOVT OF INDIA**: Constructed an IoT-based solution aiding farmers in optimizing crop yields through real-time data analysis. Provided insights on crop yields, disease outbreaks, and agricultural factors for informed decision-making. **(Nov '2022')**

Honors and Awards

- Awarded title of innovation in technical fest Software Innovator - May, 2019
- Second Runner's Up at ethical hacking Project Innovation Contest - September, 2018
- Runner's Up at university future technology Hackathon - August, 2017
- Honored as a Research and Teaching Assistant during M.Tech program (2021 - 2023)]

Hobbies and Interests

- **Creative Pursuits**: I enjoy exploring my creative side through activities such as painting, sketching, and digital art. Creating visually appealing artwork is a source of inspiration for me.
- **Volunteer Work**: I'm passionate about giving back to the community and have been actively involved in volunteer initiatives, including local clean-up drives and mentoring underprivileged students.
- **Fitness and Sports**: Staying active is a priority for me. I maintain a regular fitness routine and have a keen interest in sports like tennis and swimming.
- **Travel and Exploration**: I love exploring new places and experiencing different cultures. Traveling has broadened my horizons and given me a fresh perspective on the world. fresh perspective on the world.
- **Outdoor Activities**: Hiking, camping, and adventure sports are some of my favorite outdoor activities. They allow me to embrace nature and test my limits.