Manjju Shree Devy Gendeti

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Education

Arizona State University **Aug 2022 – May 2024**
Master of Science in Computer Science, Tempe, AZ *GPA: 3.90/4.00*

Indian Institute of Information Technology, Sricity **Aug 2018 – May 2022**
Bachelor of Technology in Computer Science and Engineering, Andhra Pradesh, India *GPA: 8.40/10.00*

Technical Skills

Programming Languages: Python, Java, JavaScript, TypeScript, Flutter, C, HTML, CSS, R, SQL, NoSQL, Bash
Tools and Technologies: Git, GitHub, JupyterLab, Linux, Docker, MySQL, PostgreSQL, Heroku, AWS
Frameworks: React.js, Node.js, Express.js, Bootstrap, JQuery, Django, REST API, MongoDB
Libraries: Pandas, NumPy, Seaborn, Scikit-Learn, TensorFlow, SciPy, NLTK, Spark, Power BI

Experience

Artificial Intelligence Institute, University of South Carolina **Jan 2022 – July 2022**
Software Developer - Data Science Intern *Columbia, SC*
- Built a benchmark for Joint Embedding in Memotion Analysis on Twitter Memes.
- Constructed a six-stage architecture, integrating VGG19, Co-location, and PPMI models for image and text embeddings.
- Surpassed State of the Art (SOTA) in Memotion tasks: Sentiment classification: +16%, Humor classification: +4.6%, Scales of semantic classification: +14.6%
- Built a MERN app, leveraging React to enhance user interaction with a 15% improvement in interface responsiveness.

Wipro Research **May 2021 – Dec 2021**
Machine Learning Engineer *Bangalore, India*
- Collaborated with a group of 5 members to design and implement a pipeline for "Fake News Detection" using DL models.
- Developed a model for accurate claim classification into three categories: Entail, Refute, and Not Enough Info.
- Achieved a 77% recall score, surpassing State of the Art (SOTA) by 14.9%, through the combination of retrieval models.
- Engineered a scalable back-end architecture using Node.js and Express, handling over 10,000 API requests per day.

Iha Pragyan **Feb 2021 – May 2021**
Software Developer Intern *Hyderabad, India*
- Boosted task management efficiency by 20% in team "GhettoGroupo" through advanced CRUD functionality.
- Integrated Stripe checkout, leading to a rise in successful transactions and streamlined authentication processes.
- Established developer portal for REST API access, attracting 30% more third-party integrations like social media sharing.
- Introduced Whiteboard and audio rooms, elevating user engagement by 25% in project discussions & breaks.

Projects

Chat Space | *MongoDB, Express.js, React, Node.js, socket.io* **May 2024**
- Developed MessageApp, a MERN communication platform, fostering seamless collaboration with one-click authentication.
- Enriched user engagement by enabling one-click login/logout and creating 50+ collaborative channels.
- Developed enterprise app(EAD) feature with sockets, cutting incidents by 30% and securing message transfers.

Kaiznventory | *Django, Django REST Framework, React, Swagger, SQLite, Postman* **Feb 2024**
- Developed an inventory management system for over 10,000 items, improving data efficiency and user engagement with RESTful APIs.
- Conducted unit testing on API endpoints, achieving 99% reliability and reducing bugs by 40%.

SafeDrive Guardian | *Kotlin, Android Studio, Flask Server, Machine Learning, MATLAB* **Sept 2023**
- Led the development of a cutting-edge road safety project, integrating Android, Flask, and real-time monitoring, detecting drowsiness, distraction, and stress.
- Organized seamless integration with MATLAB Simulink, showcasing strong collaboration across 5 disciplines.
- Demonstrated proficiency in Android app development API 29+, contributing to project success.

Achievements

Research Work, Mining Intelligence and Knowledge Exploration Conference **Jan 2021 – Dec 2021**
First author of publication *IIIT, Sricity*
- Generated a model for summarizing Amazon reviews, and attained impressive results, including 77% recall & 74% F1 score.
- Recognized for research excellence; paper accepted at MIKE 2021 conference, ranked among the top 3 best papers.