

# MANJJU SHREE DEVY GENDETI

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## EDUCATION

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### Master of Science in Computer Science

Arizona State University, Tempe, AZ

Aug 2022 – May 2024

GPA: 3.90/4.00

### Bachelor of Technology in Computer Science and Engineering

Indian Institute of Information Technology, Sricity, AP, India

Aug 2018 – May 2022

GPA: 8.40/10.00

## TECHNICAL SKILLS

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

## EXPERIENCE

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### Front End Software Developer

RoomieHub

July 2024 – Present

Phoenix, AZ

- Built settings and profile screens for Roommate Matching App, enhancing user management of preferences and profiles.
- Collaborated with the UI/UX team to create an intuitive user experience, reducing onboarding time by 20%.
- Integrated backend APIs to ensure real-time data updates, maintaining smooth and accurate functionality.
- Contributed to Agile development, code reviews, testing and helping achieve a 95% bug-free release.

### Software Developer - Data Science Intern

Artificial Intelligence Institute, University of South Carolina

Jan 2022 – July 2022

Columbia, SC

- Built Memotion MERN app, used React to enhance user interaction and improve interface responsiveness by 15%.
- Benchmarked Joint Embedding, surpassing SOTA by +16% in sentiment, +4.6% in humor, and +14.6% in semantic classification.
- Constructed a six-stage architecture integrating VGG19, co-location, and PPMI models for image and text embeddings.

### Machine Learning Engineer

Wipro Research

May 2021 – Dec 2021

Bangalore, India

- Collaborated with a team of 5 members to design a pipeline for "Fake News Detection" using deep learning(DL) models.
- Achieved a 77% recall score, surpassing SOTA by 14.9%, by combining multiple deep learning models for retrieval.
- Engineered a scalable back-end architecture using Node.js and Express, capable of handling numerous API requests.

### Software Developer Intern

Iha Pragyan

Feb 2021 – May 2021

Hyderabad, India

- Boosted task management efficiency by 20% in team "GhettoGroupo" through advanced CRUD functionality.
- Integrated Stripe checkout, increasing successful transactions and streamlining authentication processes.
- Established developer portal for REST API access, attracting 30% more third-party integrations like social media sharing.

## PROJECTS

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### Chat Space | MongoDB, Express.js, React, Node.js, socket.io

May 2024

- Developed MessageApp, a MERN platform with one-click authentication, enabling seamless login/logout, and a secure enterprise app (EAD) with socket integration, reducing incidents by 30%, and ensured secure message transfers.

### Kaiznventory | Django, Django REST Framework, React, Swagger, SQLite, Postman

Feb 2024

- Developed inventory system for 100+ items, boosting data efficiency and user engagement with RESTful APIs. Conducted unit testing on API endpoints, achieving 99% reliability and reducing bugs.

### SafeDrive Guardian | Kotlin, Android Studio, Flask Server, Machine Learning, MATLAB

Sept 2023

- Led a road safety project, integrating Android, Flask, and real-time monitoring to detect drowsiness, distraction, and stress, while seamlessly collaborating with MATLAB Simulink across 5 disciplines.

## ACHIEVEMENTS

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### 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.